



The Resonator

Official Newsletter of The Fair Lawn (NJ) Amateur Radio Club

Volume 7, Number 11

www.FairLawnARC.org

November 2022

Member Profile

NAME: Mike Volpe CALL: KD2YEW

How did you get interested in ham radio?

I originally got interested a few years ago as a way of being more prepared for emergencies. After getting licensed I discovered a whole world of cool things to do with amateur radio other than preparedness.

What parts of the hobby most interest you?

I am really excited about getting involved with Summits and Parks on the air. I also enjoy chasing DX and special event stations from my home shack. I recently participated in the POW/ MIA Day at the club and had a blast. I think I would also like to do some contesting.

What does belonging to FLARC mean to you?

How do you/can you better contribute to the club?

Joining FLARC was the best! The hobby can be quite intimidating to someone who has zero experience. All of the

Continued on next page.

From The President

Dear FLARC Family,

The year may be approaching its end, but the activities at our club continue strong. We had a well attended business meeting for November last week.

Good topics were discussed and member involvement present, and events with wonderful participation took place. Our thanks to all who participated during the two days of CQWW SSB at the club stations.

Three of our operating positions were on and I believe we did quite well. We had new and old members show up and log contacts. We hope to see more of that in our upcoming contests.

Also we had a successful Fox hunt on Sunday, 11/06. A good group showed up at Memorial Park to find the two foxes placed at different positions of the park. Then, we stopped for lunch at Ray's Pizza, and Bob, KD2BKD went to place the high power fox at some point within Fair Lawn, which ended up being at a Park near the water tank. A fun day for all. Thanks Bob, KD2BKD for organizing the event.

Remember, we have our annual auction coming up on November 25 at the Senior Center. The website is up, and registration is available. Keep an eye out for any information through our website, email blasts, social media platforms, etc.

We promise that it will be a good event and don't forget that with it, you are not only supporting local hams, you are also contributing to FLARC. I hope to see many of you that day.

And after the auction that Friday, Saturday and Sunday we'll open the club for the CQWW CW contest. So, those CW fans (like me), don't stay home, come and join us at the club for some fun and

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Member Profile, continued

members have been super welcoming and helpful. A big shout out to member Tony Gonzalez N2SIQ, who set me up with my equipment and is always available for a text or face time to help me out. I hope to contribute to the club by participating in as many events as possible

What should be the club's priorities in the next year?

As always, attracting new members is a good priority. Promoting the hobby to young people to get them involved. It would be helpful if we had some type of mentorship program to help people get started.

What else can you tell the club about yourself and/or ham radio?

I served in the United States Marine Corps from 1988-1992 as an infantry rifleman. I am a Desert Storm veteran. After the military I went to the Culinary Institute of America in Hyde Park NY where I graduated with degrees in culinary arts and baking and pastry. I worked on cruise ships, hotels, casinos, and pastry shops all over the states and the world.

Most recently I was corporate chef for North America for an Italian chocolate and bakery product manufacturer. While in the industry I earned certified executive pastry chef, world certified pastry chef and certified master baker certifications.

I recently retired from the industry. I am now a member of the New Jersey State search and rescue team, the Pompton Lakes CERT team and I am very active with several veterans' organizations like Marine Corps League, American Legion and VFW.

What other ham related clubs or organizations do you belong to?

I am an ARRL member and a member of the newly formed Northeast USA Summits on the Air Club.



Mike KD2YEW at W1AW on 13 October 2022

From The President, continued

to rack up points for FLARC on the last major contest of the year.

And... Winter Field Day is quickly approaching and FLARC will be participating. Stay tuned for more information.

Wishing you all a Happy Thanksgiving and an exciting beginning to the 2022 Holiday Season.

Please, be safe, stay healthy and
"I'll see ya on the radio."

73,
Nomar, NP4H
FLARC President

FLARC Annual Meeting Is December 2nd

Our bylaws stipulate that our annual meeting be held on the first Friday of December at 6PM. Election of officers for 2023 is the primary agenda item.

At the November meeting, this year's Nominating Committee presented their suggested nominations for next year's Board. Their suggestions are shown on page 4 of this Resonator.

At the November meeting, the club president will "open the floor to additional nominations" – at which time other club members can nominate someone for any of the five positions, and provided the nomination is "seconded" by another member, any such nominations will be included in the voting at the December Annual Meeting.

If you are interested in serving this great club, have someone nominate and second you at the November meeting.

Volunteerism is the heart of every club. We have been very fortunate in having members come forward to help run the club. This year is no different. Volunteer yourself or nominate a worthy member to keep FLARC the great club that it is.

Please try to attend both the November and December meetings... watch for details.

Winter Field Day Is January 28-29th



keep FLARC from potentially participating again in Winter Field Day at Memorial Park.

We've been lucky weather-wise in past years and we trust that there will be some operators intrepid enough to fend off the cold overnight in the tent and (maybe) trailer and get us some bonus points for operating outdoors and above the Mason-Dixon line.

Check with the club officers about the details and find out more at the January business meeting.

2023 Dues Are About To Be Due

Dues for 2023 will be accepted by the club starting on December 2nd with the 2022 Annual Meeting. There are no changes to dues for the upcoming year. Cutoff date is March 31, 2023.

Please make checks payable to:
"Fair Lawn Amateur Radio Club"
and send them to:

Bruce F Kalogera NJ2BK
163 Meadow Lane
Secaucus, NJ 07094

Please include a member application form with your check regardless of your member status. It can be found near the back of this newsletter.



**The
November 19th
Kawfee Tawk
Is
Saturday
10:00 AM**

Cable Connectors Identified



The Fair Lawn Amateur Radio Club

Why Is FLARC New Jersey's Most Exciting Radio Club?

Events

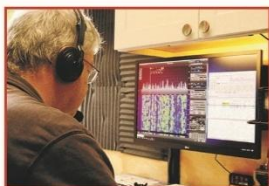
- Field Day
- Winter Field Day
- World Amateur Radio Day
- Portable Days
- Earth Day
- Special events
- Memorial Day parade
- Independence Day fireworks
- Fair Lawn Street Fair(s)
- Ham fests/Auctions
- Foxhunts
- Contests
- Field trips
- Annual holiday party
- ...and more!



There Is Something Every Night At FLARC!

- Monday: Near and Far Net
- Tuesday: DMR Net
- Tuesday: "Pop Up" Open House/Open Zoom
- Wednesday: ARES/RACES Net
- Wednesday: Health and Welfare Net
- Thursday: Tech Net (with BARA)
- Friday: Kawfee Tawk Speaker Series (monthly)
- Weekends: POTA and other station activations

There is Something for Everyone at FLARC!



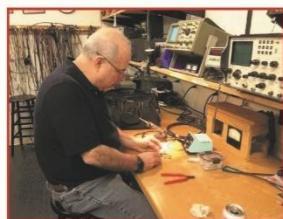
Special Interest Groups:

- Portable Ops: POTA, SOTA, etc.
- DX: Chase the rare ones
- Digital Voice: DMR and other digital modes
- FT8: And other WSJT modes
- Satellite: Also, for weather GPS interests
- Monitoring: SWL and other general listening
- And others to come!!



Plus:

- Monthly VE Testing
- An active repeater – W2NPT (linked with NJ2BS)
- New equipment in the shack
- New antennas on the roof
- A five-position operating clubhouse
- Over 72 consecutive months of speaker programs to learn and grow.



That's why FLARC is the best club around!!

Join us in our in-person and in our Zoom Room for more activities, speakers, and projects to come!

FLARC is following Covid-19 government guidance closely and all events and activities will adhere accordingly to the latest advice.

The Club Fair Lawn ARC is the fastest growing ham club around, with five operating positions in a permanent clubhouse. Visitors and guests are always welcome. The club is open every Friday night, except when there is a Kawfee Tawk scheduled, from NLT 6:30 PM. Business meetings are the first Friday of the month at 7:30PM.

2022 Officers, Committees and Assignments

President	Nomar Vizcarrondo	NP4H
Vice President	David Corsello	KD2JIP
Treasurer	Bruce Kalogera	NJ2BK
Secretary	David Gotlib	KD2MOB
Trustee	Ed Efczak	WX2R
Trustee	Fred Wawra	W2ABE
Trustee	Brian Cirulnick	KD2KLN
Field Day	Noel Pagan Steve Rosman Steve Wraga	W2MSA KA2YRA WA2BYX
Member Services Health & Welfare	Judith Shaw	KC2LTM
Marketing	Ed Efczak Nomar Vizcarrondo Jim Cooper Dave Corsello	WX2R NP4H W2JC KD2JIP
Program	Ed Efczak	WX2R
Video/YouTube	Thom Guida	W2NZ
Social Media	Thom Guida Dave Marotti	W2NZ NK2Q
Photographer	Giovanni Lucero	K2GIO
Community Relations	Gene Ottenheimer Dave Gotlib Ed Efczak	WO2W KD2MOB WX2R
Hamfest and Auction	Gene Ottenheimer Bill Leger Bruce Kalogera	WO2W WA2WL NJ2BK
Education	Bill Kelly Earle "Skip" Barker Paul Brennan	NB1LL KD2BRV N6FB
Net Scheduler	Brian Cirulnick	KD2KLN
Contests	Lowell Vant Slot	W2DLT
FLARC Historian	Fred Belghaus	W2AAB
Webmaster	Jim Cooper	W2JC
Technical	Jim Cooper Paul Cornett Brad Kerber Fred Wawra	W2JC W2IP KM2C W2ABE
RACES/ARES Director RACES/ARES Liaison	Dave Gotlib Steve Wraga	KD2MOB WA2BYX
Newsletter Editor Newsletter Publisher	Ed Efczak Jim Cooper	WX2R W2JC
Quartermaster	Brian Cirulnick	KD2KLN
W2NPT Trustee	Paul Cornett	W2IP
NK2H Trustee	Ed Efczak	WX2R

ANNUAL MEETING IS DECEMBER 2ND!!

The Great FLARC Auction is Friday, November 25th!! Save The Date!!

What: The Great FLARC Auction

When: Friday, November 25, 2022
(Day After Thanksgiving)

Where: Fair Lawn Senior Center,
11-05 Gardiner Road, Fair Lawn

Why: Raise money, sell "junque",
have fun!

Who: You!

How Much: The pre-Auction "Buyer Registration and Item Listing Fee" is \$5.00 and includes one free admission. At the gate the "Buyer Registration and Item Listing Fee" is \$8.00 and includes one free admission. Additional individuals, aka seller's helpers, pay the general admission fee of \$5.00 per person.

How: Volunteer. Lots of openings for runners, setup, kitchen, general logistics.

See: Bill WA2WL or Gene WO2W

Go To: <https://auction.fairlawnarc.org/>

FLARC is following government Covid-19 guidance closely and all events will adhere accordingly to the latest advice.

FLARC VISITS W1AW



FLARC at historic W1AW on October 13, 2022

Continued on page 17 .



THE GREAT FLARC AUCTION

Friday, NOVEMBER 25, 2022

For Seller Registration, Information and Rules/Regulations

<https://auction.fairlawnarc.org/>

Save \$3.00 and breeze through the line at the door by reserving your space online and listing your items in advance!

Fair Lawn Senior Center

**11-05 Gardiner Road
Fair Lawn, NJ 07410**

Auction Starts at 6:30 PM

Doors Open 4:30 PM for Sellers and 5:30 PM for Buyers

Buyers \$5.00

The pre-Auction "Buyer Registration and Item Listing Fee" is \$5.00 and includes one free admission.

On November 25th the "Buyer Registration and Item Listing Fee" is \$8.00 and includes one free admission. Additional individuals, (seller's helpers) pay the general admission fee of \$5.00 per person.

Seller's Commission - 15% of Sales Up To \$300

KJI Electronics Will Be There!!

Free Parking, Handicapped Accessible

Food and Refreshments will be available

Questions: please call: 201-791-3841 and leave your name, number, and a short message. Message or E-Mail: w2npt@arrl.net or FairLawnARC@yahoo.com

In case of bad weather, check www.FairLawnARC.org for updates

FLARC is following Covid-19 government guidance closely and all events will adhere accordingly to the latest advice.

2022 FLARC Kawfee Tawk Programs

Date	Presenter	Program
January 21, 2022 (Friday)	Bob Antoniuk N2SU	The History of Call Signs
February 18, 2022 (Friday)	Matt Heere N3NWV	POTA – Get Involved!!
February 26, 2022 (Saturday)	Barry Feirman K3EUI	NANO VNA Part 2
March 18, 2022	Charlie Cebula AC2ZU	How the Telegraph Helped the North Win the Civil War
March 30, 2022	Ed Efchak WX2R	The 2022 FLARC Member Survey
April 15, 2022	Sandipan Basu Mallick VU3JDX	The Union of Asian DX'ers and DX'ing From India
May 13, 2022 (2 nd Friday)	Frank Donovan	6 Meter Antennas and Propagation
June 17, 2022	Gordon Beatty W2TTT	Setting Up Your Amateur Radio Station
July 15, 2000	Van W2DLT /Fred Belghaus W2AAB	On QSL'ing
August 12, 2022	Jose Vincennes NP4G	DX'peditioning
September 16, 2022	Open	TBD
October 21, 2022	Paul Cianciolo W1VLF	RFI In Your Shack and Around The House
November 19, 2022 (SATURDAY) 10:00 EST	Bob Zanotti HB9ASQ	The Swiss Short-wave Merry-Go-Round
December 15, 2022	Ria Jairam N2RJ	About The ARRL: An Update



Hidetsugu Yagi's 130th Birthday Google Doodle

Follow FLARC ON THE WEB

Facebook: <http://facebook.FairLawnARC.org>

Twitter: @FairLawnARC

Blog: <http://blog.FairLawnARC.org>

Youtube: <http://youtube.FairLawnARC.org>

Website: <http://FairLawnARC.org>

SIG Group Participation as of November 6, 2022

Here is an update on the roster of Special Interest Groups...many groups have increased in size during the last month. About 45% of all members have joined at least one group.

EMCOMM	12
Contesting	14
Digital Voice	31
Monitoring	28
DX	19
FT8	24
Satellite	19
Portable Ops	47
Raspberry pi	7
Direction Finding (NEW)	5
FLARC General	166

Sign up for a group... or ...
why not start one?

Contact webmaster@FairLawnARC.org
if you would like to start a new
Special Interest Group.

The Clubhouse Is Open Three Fridays In November!!

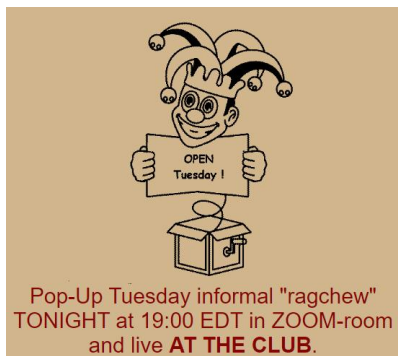
Date	Clubhouse Status
November 4	OPEN – Business Meeting
November 11	OPEN
November 18	OPEN
November 25	CLOSED – FLARC AUCTION



And Stand-by for Other Open Days or Evenings!

**Pop-Up Tuesdays are now in-person at the club
as well as in the Zoom-room.**

The club will follow all borough COVID-19 requirements for these events.





AMATEUR RADIO TESTING BY THE FAIR LAWN AMATEUR RADIO CLUB

On November 12, 2022, the Fair Lawn Amateur Radio Club will continue amateur radio test sessions on a modified basis.

These sessions will be held at the **Fair Lawn Amateur Radio Club**.

The location is at 10-10 20th Street, Fair Lawn, NJ

The session starts at 9:15 AM.

A document will be provided to you prior to the date to indicate the time assigned to you.

You must have it with you to take the test.

Prior to Testing:

Send an email to wo2w@arri.net requesting to book your spot.

PRE-REGISTRATION IS REQUIRED - NO WALK-INS ACCEPTED.

Upon Arrival:

You must have a government issued ID such as a valid driver's license or passport, a filled out Form 605, and **3 filled out copies of the FCC CSCE form**.

Please Bring With You:

You **MUST** bring and WEAR personal PPE items including a face mask.

2 pens and 2 pencils. None will be provided to you, due to possible virus transmission.

Your FRN number, and (if licensed) a copy of your ham license or a valid CSCE (Certificate of Successful Completion Exam).

Additionally, the **\$15.00 exam fee**. This is payable in cash (exact amount is a must).

For information and scheduling, please contact:

Gene/WO2W

WO2W@arri.net

Visit our website at www.FairLawnARC.org and <http://bit.ly/FLARC-Testing>



DX'ING FROM EUROPE

A Look at SWL and European Broadcasting

SATURDAY November 19th
FLARC Kawfee Tawk™ Series

The impact of shortwave and “post-Cold War broadcasting” has been high profile lately with the war in Ukraine, domestic insurrection in Iran and Myanmar and proposed cutbacks to the BBC World Service. This month we turn to a North Jersey native who has made his home and career broadcasting from Europe and with a ham license as well.

Our special **SATURDAY** edition of *Kawfee Tawk* on November 19th focuses on a number of subject areas and we are fortunate to have one of the most knowledgeable speakers on the topic.

Bob Zanotti HB9ASQ is our presenter. Our planned topics include the current status of shortwave broadcasting with a look on the political situation in Ukraine and Iran; cutbacks at the BBC; the utilization of medium wave and FM broadcasting spectrum in Europe vs. North America including DAB broadcasting as well as personal reminiscences.

The program is on **SATURDAY, NOVEMBER 19TH AT 10:00 EST** and is available via Zoom here:

Join Zoom Meeting

Meeting ID:	861 9255 6599	Passcode:	radio
Telephone login:	861 9255 6599	Passcode:	540273 +1 646 558 8656 US (New York)

Bob Zanotti was born in Paterson, NJ and grew up in Hawthorne and Franklin Lakes. He attended Hawthorne High School and graduated from Ramapo in 1964. He spent two years as a freelance broadcaster with the English Service of Radio Sweden in Stockholm, where he also presented their SWL program, “Sweden Calling DXers.” Bob joined the English Service of Swiss Radio International in 1970 and was with SRI till early retirement in 2002, two years before SRI closed. His main activities were as a reporter, presenter and feature producer. You may remember him as the voice from *The Swiss Shortwave Merry-Go-Round* program.

As a sideline, Bob was teamed up with Bob Thomann HB9GX (SK) to become “The Two Bobs,” a very popular mailbag show devoted to the technical side of SWLing and ham radio. During his career, Bob was seconded to several Swiss and United Nations specialized agencies, and reported on several of their field projects, especially in Africa, Asia and Central America. He was the co-founder and co-owner of Italy's most successful commercial shortwave broadcast station, *The Italian Radio Relay Service-IRRS*, back in the 1980s and '90s. In 2004, Bob started an Internet website called www.switzerlandinsound.com which is the only source of English-language radio reporting about Switzerland in the classic style. It is entirely audio-based. There is also a section devoted to The Two Bobs, featuring surviving material from the old show, as well as new. Bob was licensed as a Novice as WV2UPQ in 1961. He then became a Technician and later General with the call WA2UPQ. That license is no longer active. Bob was licensed as HB9ASQ in 1971 and has been active ever since. Bob's special interest is audio processing and rag-chewing.

Come with your questions and interest, as this topic is one that many have asked for.

So, save the date – **SATURDAY, NOVEMBER 19, 2022, at 10:00 AM EDT** –
for this important and always timely discussion.

When you log in, please show your FIRST NAME and your CALL SIGN.

For more information, please visit the club's website at <http://www.FairLawnARC.org> or call 201-791-3841.



"The Friendliest Club Around"

A Thanks To Our 2022 FLARC Hamfest Sponsors, Donors, Vendors and Guests!

You Made for a Great Day!

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ANTENNA**

← Arrow Antenna →



 Easy Way Ham Books


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 **HAM RADIO DELUXE SOFTWARE**
The Radio Amateur's Best Asset

Hamsource.com

KB Cubed LLC



MFJ



WAYNE ELECTRONICS LLC



- 250+ Visitors – An increase over 2021!
- 46 Vendors – An increase over 2021!!

See You Next Year!

Save The Date!!

June 10, 2023

<https://hamfest.FairLawnARC.org>

The 2023 FLARC Member Survey

The 2023 edition of the FLARC member survey will again be hitting your e-mailbox right after Thanksgiving. It promises to be shorter than previous years, but here is your chance to make your contribution to the questionnaire.

These surveys have helped plan the growth of this club and are always a program topic.

Stay tuned — and send in your topics or questions to Ed WX2R at WX2R@arrl.net !!

Special Note: *As non-profit, the IRS now requires that we disclose annually the use of paid lobbyists to our members and indicate approximately what percentage of their dues goes toward that. 0% of your 2021 dues payment will be used by the club to directly pay a lobbyist firm to lobby on behalf of all our members regarding pending legislation that impacts our hobby.*

Pandemic Theatre

On 7-9 October 2022, the Radio Society of Great Britain held its first hybrid Convention which had speakers, attendees and livestream-watchers from across the world. The keynote presentation by IARU President Tim Ellam, VE6SH/G4HUA was very thought-provoking.

In it, he highlighted the threats to amateur radio as well as the importance of embracing modern techniques, whilst also being willing to adapt and change. Well worth the time.

<https://www.youtube.com/watch?v=jKfl6c8LfQ4>

FLARC Member Wins Scholarship

FLARC member, Renee Smith **KD2JEZ**, has been awarded \$1,000 from the “L. B. Cebik W4RNL and Jean Cebik N4TZP Memorial Scholarship” by the American Radio Relay League. Renee is the daughter of Lee Smith **KD2DRS**.

Congratulations Renee!!

FLARC Cancels Appearance at River Road Street Fair

A combination of illness and power logistics forced us to cancel our usual appearance at the River Road Street Fair in Fair Lawn.

Next year for sure!

Get Direct With FLARC!

Here is a direct link to specific club info: just a click away!

<http://apparel.FairLawnARC.org>
<http://auction.FairLawnARC.org>
<http://blog.FairLawnARC.org>
<http://calendar.FairLawnARC.org>
<http://events.FairLawnARC.org>
<http://exams.FairLawnARC.org>
<http://facebook.FairLawnARC.org>
<http://news.FairLawnARC.org>
<http://swap.FairLawnARC.org>
<http://tech.FairLawnARC.org>
<http://youtube.FairLawnARC.org>

<https://groups.io/g/FairLawnARC>



Online License Testing!

Are you looking to get your license or upgrade without leaving your home? All you need is a laptop computer with a video camera.

There are number of sites listed on hamstudy.org/sessions These folks will walk you through taking an exam online.

I have worked with both WB5QNG and AA7HW. If you have any questions, please contact me at mStevenk2sab@gmail.com

73,
Steven Boston K2SAB

Corrections and Amplifications

Your editor does mess things up from time to time and here are the *mea culpas* from October:

Fred W2AAB was not listed among those participating in the K4MIA/2 operation. Fred operated from home and, while I sent in his log, I omitted him from the roster. As they say in the Army, "Fred kicked a**".

Also, among glaring omissions, Fred was also not listed among those participating in the NJ QSO Party, although he again operated from home and beat W2NPT. Men playing against boys.

Good operators should always be recognized, and Fred is one of our best.

A shout out as well to Skip KD2BRV. I neglected to add his name to the group who took part in the Hawthorne Green Fair last month.

There was also an error in the October business meeting minutes. The 40-foot mast is/was being offered to FLARC by Pete, **W2PM**, not W2MP.

Thanks to all for pointing these items out.

Ed
Wx2r

Ham Radio Is Contagious And It Won't Make You Sick!!

Renew Your ARRL Dues... Send Free Money to FLARC!

The ARRL has a great program to support affiliated clubs in that it sends part of your dues back to the club if you renew through the club.

So... when you get your ARRL renewal, send both your check and your renewal application to Bruce NJ2BK, our trusty Treasurer, who will take care of getting your renewal to Newington and a fat check for \$5.00 back to FLARC.

Nothing can be simpler...
you just have to remember!!

*Print and use the
form on page 55
of this issue of*

The Resonator



Club Apparel —

Get Them While They're **RED**!

Club apparel is always in vogue. Red is always "in" and your club friends all have them... you *want* a shirt or jacket for the next FLARC event! Great for Field Day!

Don't forget.... they're easy to order.

Go to www.hamthreads.com

or visit <http://apparel.FairLawnARC.org>

Check out the item selection that is posted on the FLARC website (with pictures and prices). Order the shirts or other items you want with either the regular FLARC logo or the still-cool 60th anniversary logo. Note: **RED** is the primary and preferred club standard shirt color.

And why not WEAR your nice red shirt when you come to the club, especially for meetings and events.



It's easy to spot FLARC members
with their red club shirts !

2022 FLARC Nets On The W2NPT Repeater:

Near and Far Net Mondays at 8PM

W2NPT and NJ2BS Repeaters

THE GREAT FLARC AUCTION

Friday, November 25th

SAVE THE DATE!!



**Remember:
Ham Radio Is a Contact Sport!**

BEQUEATHS AND DONATIONS

Planned gifts usually imply the family donation of amateur equipment to the club when someone has become a Silent Key. But it can be more. Club members might consider making a gift through a will or trust; gifts that help provide lifetime income to the club. Consult with your lawyer, estate planner or tax advisor if you feel such as gift is worthy.

About The Club

The Resonator is published monthly and is the official (and only) newsletter of The Fair Lawn Amateur Radio Club. FLARC was established in 1956 and has met continuously since inception. **The club is sponsored by the Borough of Fair Lawn.** The club meets every Friday, except when a *Kawfee Tawk* is scheduled, at 6PM at the club station in The Fair Lawn Community Center, 10-10 20th Street, Fair Lawn, NJ. Business meetings are the first Friday of the month at 7:30 PM at the club, and on Zoom.

Visitors **ARE ALWAYS** welcome at our meetings.

FLARC operates the W2NPT repeater (145.470-PL 167.9) located high atop the Community Center. The analog repeater is open to all amateurs for use without restrictions.

The club has nearly two hundred paid members.
Dues are currently \$25 per year;
\$20 for new members.

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Thanks!
for your
Support!!

This is YOUR club.... Be a part of it !!

MARKETING COMMITTEE NEWS

The Publicity Committee is now the Marketing Committee and is working to spread the good words about FLARC and help get all members involved. Interested in joining?
Drop a note to wx2r@arri.net.



**FAIR LAWN'S
COMMUNICATIONS CENTER!**
With Our Antennas On The Roof!



Blood Donors Needed In This Time Of Emergency

The Red Cross and related organizations are in great need for blood donations since most corporate blood drives have been cancelled. This has become acute recently. Especially in these days of Covid.

[Communitybloodservices.com](https://www.communitybloodservices.com)

has a network of offices open during the week and would really welcome folks making appointments to donate blood.



Dear fellow Amateur Radio Operators,

The American Red Cross (ARC) in New Jersey is working on a project where Amateur Radio Operators (HAMs) would support Red Cross internal emergency communications during a disaster. Red Cross sites can be shelters, warehouses, points of distribution, family reunification centers, community reception centers, and other sites where the Red Cross is supporting disaster response and recovery missions.

We are seeking HAMs to support these sites as a backup for conventional communications that may fail during a disaster. This work is in direct support of safety of life and protection of property (47 CFR § 97.403).

Currently, we are only looking for names of operators who would be interested in helping and their location within the state. The how will come after we know the who.

We are looking for HAMs to work as partners, either as an individual or with an organized group (club, ARES, RACES). We are not looking to take anyone away from their other committed roles that they would perform for their communities.

We have split the state into three territories, North-Central-South, each containing seven counties, with communications being provided within the territories and the state.

The Red Cross will provide free disaster training to better understand what we are doing, as well as drills and exercises. Your commitment will be to attend training, drills, and exercises when you are able to and based on your ability to participate at the time that a disaster strikes.

If you are interested in helping or learning more about this opportunity to use your amateur radio license in support of emergency communications in New Jersey, please fill out the form, at the link below.

73, ARC Assist Committee

Ed K2BED • Mike KC2UOA • Peter S, not yet licensed • Bill, NB1LL

Form is at <https://forms.office.com/r/tqmb8cBV3F>

FLARC October 15, 2022 VE Testing Results

With VE testing back on schedule, Gene W02W reports the following results:

Name	Call	License Earned
Jeffery Gibat	KD2FQZ	Extra
Maxwell Koerner	K3MXL	General
Nelson Hayes	KD2YPV	General
Jacqueline Tamke	KE2AFB	Technician
Frank Tiesi	KE2AFG	Technician
Didieson Salazar	KE2AFO	Technician

Testing for November will be at the Fair Lawn Recreation Center - with "Covid Restrictions."

See page **Error! Bookmark not defined.** of this Resonator copy, and also the

Ten Special Interest Groups [SIGs] Already Formed: Any Others?

A new SIG—Radio Direction Finding—has started under the tutelage of Bob KD2BKD. Club interest continues to grow in the SIGs.

Another recently formed SIG is for those interested in Raspberry Pi and Arduino projects, but now includes DoItYourself (DIY)/Makers kit building, 3D printing and similar topics – also managed by KD2BKD.

A list of all of the current SIGs is shown on page 6.

Other possible groups, from the member survey, include:

- *Radio Propagation*
- *Antennas and how they work*
- *Ham radio software*

Anyone interested in leading any of these groups...?

Please contact webmaster@FairLawnARC.org

FLARC VISITS W1AW

For the first time since 2018, several FLARC members traveled to ARRL Headquarters in Newington, CT to visit W1AW. Under the supervision of Joe NJ1Q, all had a chance to operate all modes and to tour the station. The club thanks the ARRL for the kind hospitality and the chance to catch-up with league personnel. Our team consisted of Robert KD2SOG, Mike KD2YEW, Nomar NP4H, Noel W2MSA, Bruce NJ2BK, Bob N2SU, Skip KD2BRV and Ed WX2R.

See the ARRL Twitter post of the trip here: <https://twitter.com/arrl/status/1580615966093737984>

Thanks for pix from Alex KC1RMO, Mike KD2YEW, Nomar NP4H.



FLARC visits W1AW – October 13, 2022



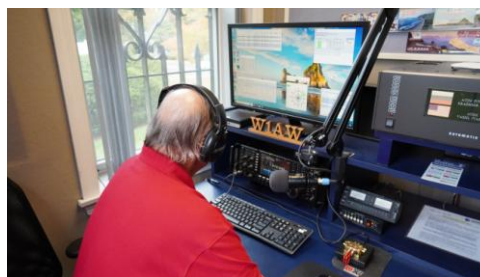
L to R: KD2BRV, NJ2BK, W2MSA



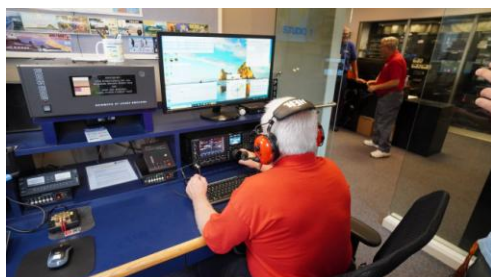
L to R: KD2YEW and WX2R on FT8



A briefing on the W1AW Memorial Station



Ed WX2R on 40m sideband



Skip KD2BRV on 20m sideband



L to R: W2MSA and NP4H on 20m CW

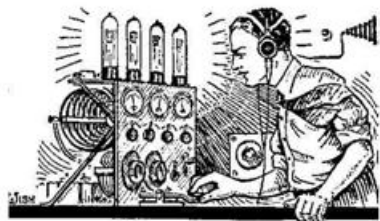


Image from May, 1926 QST, courtesy ARRL

The Way We Were

By Fred Belghaus W2AAB

What's On? – Part 3

Last month, as part of our study of Metropolitan New York's AM radio stations on the air in 1928, we looked at broadcasting stations in the Borough of Brooklyn. This month, we continue our study with a look at stations in Manhattan, Bronx, and Queens. Here's a list of them:

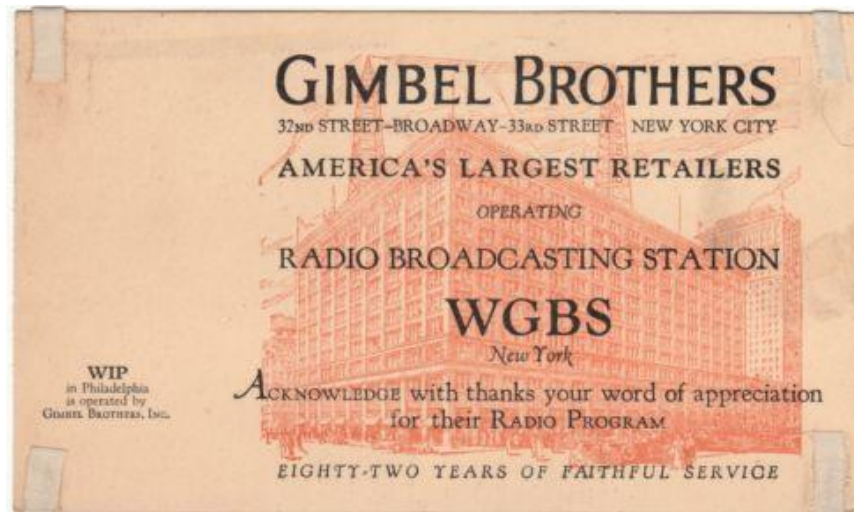
<u>Licensed city</u>	<u>Call</u>	<u>Freq.</u>	<u>Power</u>	<u>Licensee</u>
Astoria (33 rd St. and 6 th Ave., New York City)	WGBS	860	500	Gimbel Bros.
Flushing (55 North 15 th St., Flushing)	WGOP	1500	100	Frederick B. Zittel, Jr.,
Jamaica (10 New York Blvd, Jamaica)	WMRJ	1450	10	Peter J. Prinz,
Long Island City (283 Crescent St., Long Island City)	WLBX	1470	250	John N. Brahy,
New York City (400 E. 139 th St., Bronx)	WBNY	1270	500	Baruchrome Corp.,
New York City (1540 Broadway, New York)	WHN	760	500	George Schubel,
New York City (1100 E. 177 th St., Bronx)	WKBQ	1370	500	The Standard Cahill Co., Inc.,
New York City (319 W. 49 th St., New York)	WMSG	1270	500	Madison Square Garden Broadcast Corp.
New York City (Dept. of Plant and Structures)	WNYC	570	500	City of New York,
Richmond Hill (113 W. 57 th St., New York)	WABC	970	500	Atlantic Broadcasting Corp.,
Richmond Hill (113 W. 57 th St., New York)	WBOQ	970	500	Atlantic Broadcasting Corp.
Rossville (Staten Island) (124 Columbia Heights, Brooklyn)	WBBR	1170	1,000	People's Pulpit Association,
Woodhaven (90-24 78 th St., Woodhaven)	WEVD	1220	500	Debs Memorial Radio Fund,
Woodside (41-30 58 th St., Woodside)	WWRL	1500	100	William H. Reuman,

Continued on next page.

The Way We Were, continued.

Now for some details:

WGBS was licensed to Gimbel Brothers from 1924 until November 1928 – another once well-known department store which, like Bamberger's, also dabbled in radio broadcasting. Recall from last month's column that both WOR and WBMS were once operated by Bamberger's. The **WGBS** studios were at 33rd Street and 6th Avenue in Manhattan. The station existed until January 1932 - first on 950kc and then in 1927 making the switch to 860kc. Later in 1928, they moved to 1180 and then 600, finally ending up back on 1180 again in 1931, until their demise one year later. In 1931, they were listed as under the ownership of the General Broadcasting System, which was actually the broadcasting department of Gimbel's Department Store.



WGBS QSL Card, 1927

Their career came to an end in 1932 under the ownership of Hearst Broadcasting, [1] part of William Randolph Hearst's ill-fated broadcasting network. Eventually, this station became **WINS** on 1010kc. The "INS" in the call referred to the International News Service, Hearst's news agency. [2] In a future column, we will look at other stations in our North Jersey area, including the mysterious Hearst shortwave station, **WRH** — so stay tuned.

WGOP started life as **WIBI**, but the new call letters were assigned in 1927 [3], and WGOP came on the air in December of that year. There is some mystery about this station. One source reports that it was originally licensed to the Bronx, but by 1928 it re-located to Flushing. The owner was one Frederick B. Zittel, Jr., [4] about whom I can discover nothing more after extensive searches. The call letters stood for "Grand Old Party," [5] an old name for the Republican Party; so clearly, the call letters represented their political alignment. There was once an active "Republican Club" in Flushing in the 1920s, and it is not surprising that there would be interest in using the medium of radio to promote the Party's agenda. Today, we think it's quite normal for media to espouse a partisan point of view of one kind or another.

As early as 1924, the Republican Party took the lead in using radio to promote its candidates, as was evident by the election of Republican Calvin Coolidge for President that year. The use of radio in political campaigns was a departure from traditional methods such as "barnstorming" and "baby-kissing," and it paved the way for today's overwhelming reliance on media to promote candidates.

The Way We Were, continued.

WGOP's license expired in August 1928, [6] three short months before the presidential election in November of that year.

One source states that the Republican Party outspent Democrats 3 to 1 in 1928, establishing their own station in New York solely to promote their candidate. [7] Evidently, that station was **WGOP**, which existed just long enough to help elect their candidate, Herbert Hoover.

WMRJ first went on the air in July 1926, and shut down in 1932. It started on 1320, but moved to 1450 by June of 1927. It made one further move to 1210 in 1930, remaining there until September 1932, when the station was purchased by the future owner of **WGN**, who shut it down to occupy **WMRJ's** frequency beginning in 1934. [8],[9]

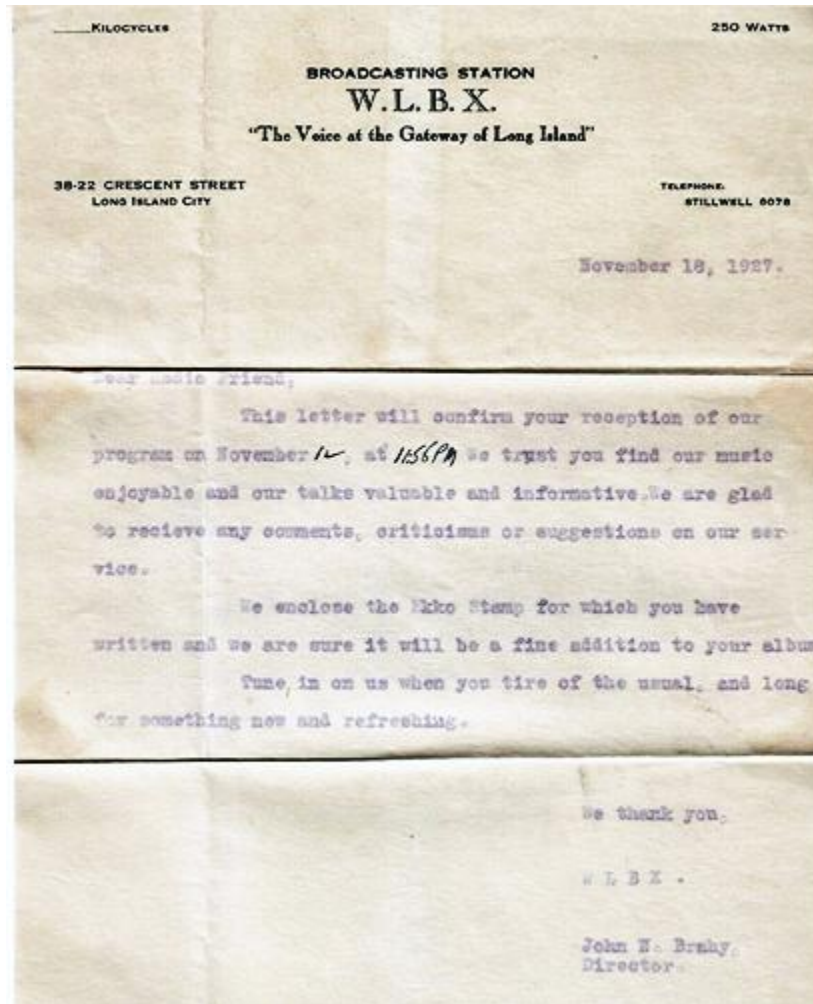
An interesting side note to the history of **WMRJ** comes from the recollections of a man who once worked there as an announcer. He was Lester Kroll, a former taxicab driver, who used the air name "John J. Anthony" on a program called "Ask Mr. Anthony," and which had as its theme "helping the sufferers from an antiquated and outmoded domestic relations code." Kroll, AKA "Anthony" had played some prank on his wife, who divorced him and fled to California with their sons. Kroll subsequently served a three month sentence in New York for failing to pay alimony. Kroll's program was unique in that it featured telephone call-ins to his show, and is considered by some historians to be the **first call-in show on radio**. [10] After **WMRJ** left the air, Kroll continued to "counsel" marriage issues, claiming to have studied enough material to consider himself a licensed psychiatrist. By 1935 he was charging clients \$25 an hour for his services, [11] equivalent to more than \$500 an hour today. [12] The call letters **WMRJ** were derived from the station's location, at the **Merrick Radio** (store), Jamaica. [13]

WLBX was located on Crescent Street in Long Island City. Not very much is known about this station, which was operated by John N. Brahy. Some facts can be determined by a published appeal filed by Brahy, involving a prior action by the Federal Radio Commission (F.R.C.). Sometime in 1930, the F.R.C. issued an "adverse recommendation" against the station by Examiner Ralph L. Walker. [14]

According to the appeal filed by owner Brahy, the station was established in 1926, and no previous complaints had been filed against it. But in February 1930, when the station applied for license renewal, the Commission refused to renew, stating that they were "not satisfied that the public interest, convenience or necessity would be served" by granting the renewal. The reasons given for this were that the station was operating with excessive power authorized by its license, and that on another occasion the station was operated from a location different from the licensed location. Brahy was given 20 days in which to respond to these allegations before the Commission. [15]

At the trial, the second charge was dropped as being untrue. But the Commission's data revealed that the station's transmitter had drifted off frequency due to a cracked crystal. A possible replacement was available, but not maintained at proper temperature. Although the charge of excessive power was affirmed, and though it ran excessive power for only a "few minutes" at the time that occurred, the transmitter operator was not licensed. The Commission found that the signal had drifted 500 Hertz from its assigned frequency with the unlicensed operator present, and that the station had failed to properly identify or even carry other program material. They concluded that Brahy had failed to make his case for license renewal, and the Commission's decision not to renew the license was affirmed. [16]

The Way We Were, continued.



WLBX QSL Letter, September, 1927 "The Voice of the Gateway of Long Island"
Image: eBay

Editorial comment: Despite the affirmed ruling of the court, Brahy's otherwise clean, four year record of broadcasting without any complaints or other FRC actions seems a bit unfair, especially since WLBX was yet another small station taken off the air by a Commission that, in my opinion, was clearly and repeatedly biased in favor of high power, well-financed stations. Do you think that if the alleged violations had occurred at, say, WOR, WLS, or WGN, that the Commission would have failed to renew their licenses?

WBNY was licensed to Sydney Baruch, [17] principal of the Baruchrome Corp. Unfortunately, no further particulars of this company, nor those of Mr. Baruch can be found online. They were located at 400 East 139th Street in the Mott Haven section of the Bronx. Initially licensed for 250 Watts in 1928, [18] later that year they received authorization to increase power to 500 Watts. Their call sign evidently stood for "Baruchrome New York."

WHN was originally licensed in March 1922 on 833kc. Then followed a number of frequency changes, with occasional sharing arrangements (619 kHz in 1923; 830 kHz in 1925; 760 kHz from 1927 to 1928, later moving to 1010 in 1941 only briefly, soon changing again to 1050, where it remained for many

The Way We Were, continued.

years.) Its first licensee was the Ridgewood Times Printing and Publishing Co., publisher of the Ridgewood Times newspaper on Woodbine Street. By 1923, the licensee had changed to George Schubel, [19] who was the founder of the Ridgewood Times, but the radio station turned out to be a loss for Schubel's newspaper, and he abandoned his plans for further efforts in radio, selling **WHN** to Lowe's Booking Agency, the company operating Lowe's Theatres. [20]

In 1948, Marcus Lowe of the Lowe's organization changed the call letters to **WMGM**. In the 1950s, it became one of New York's earliest stations to program a Top-40 format, which it continued until 1962, when Lowe sold the station to the Storer Broadcasting Group, who changed the call letters back to **WHN** [21] and changed format to an adult music and talk station. One of their music hosts was Jack Sterling, formerly of TV, who had a "circus" show on New York television. The famous radio comedy team of Bob (Elliott) and Ray (Goulding) also had a show on **WHN** in the early 1960s. In subsequent years, the call and frequency were changed again, when it became **WFAN**, occupying 660 kilohertz, in place of **WNBC**, and relinquishing its 1050 frequency to **WEVD**.



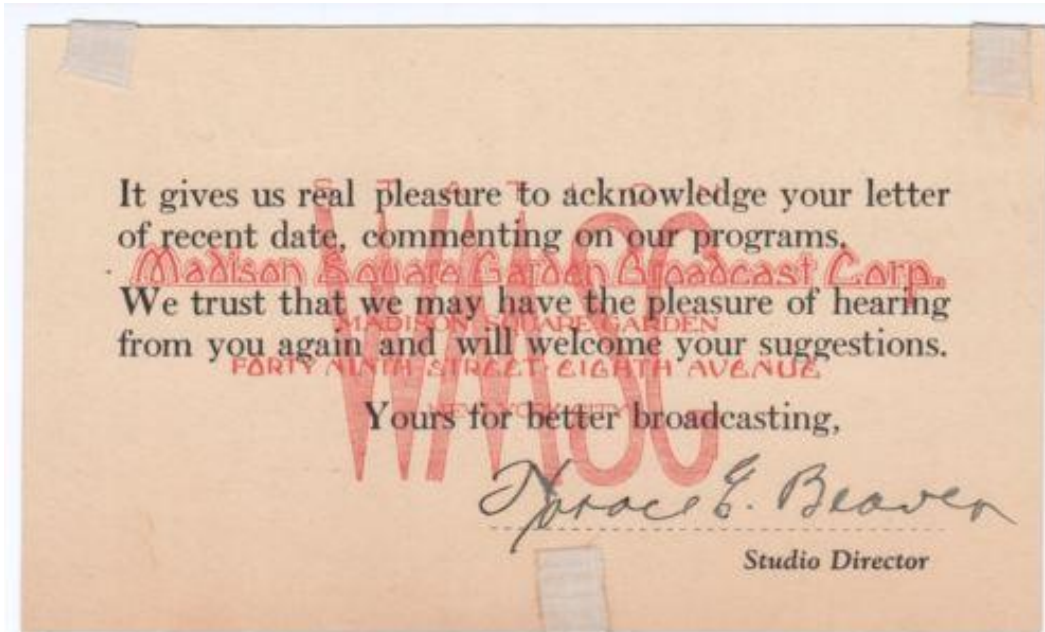
Bob and Ray

Image: <https://rockysmith.net/2009/04/12/a-sense-of-the-ridiculous/>

WKBQ first came on the air in September 1926. It was operated by the Standard Cahill Co., Inc. and was located at Starlight Amusement Park, [22] just north of the Cross Bronx Expressway, in the West Farms neighborhood. It made several frequency changes, from 1040 kc to 1370, then to 1350 by 1930. In 1931, the station merged with **WODA**, and with **WMSG** in 1933. By 1941, it had moved to 1380, and became **WBNX**. [23] Extensive searches for details about the Standard Cahill Co. have produced no further information.

WMSG was operated by the Madison Square Garden organization, but no date can be found as to when their former radio station was established. The best guess would be about 1925, most likely the same year that they were licensed in 1928, at 319 W. 49th Street. One reference [24] states that their power was once 250 Watts, but later references state that their power had increased to 500. Surprisingly, no data is available online providing further historical details about the station.

The Way We Were, continued.



WMSG QSL card c. 1927

I was at Madison Square Garden once in my life as a small boy in the early 1950s. My father took me there to see the Ringling Brothers circus. We sat in an area very near a small “fishbowl” type broadcasting studio, with a large microphone with a round, sculpted base, on a desk near the glass facing the arena. It was a very impressive sight to my youthful eyes, and I believe it may have been a Shure “Fatboy” version of the S55 series. This model was introduced in the 1940s, and is also referred to as a “birdcage” style mike. It is pure Art Deco elegance. In the 1950s, I distinctly remember newscasters Robert Trout and Douglas Edwards using this microphone in their studio on **WCBS-TV**, Channel 2, in New York.



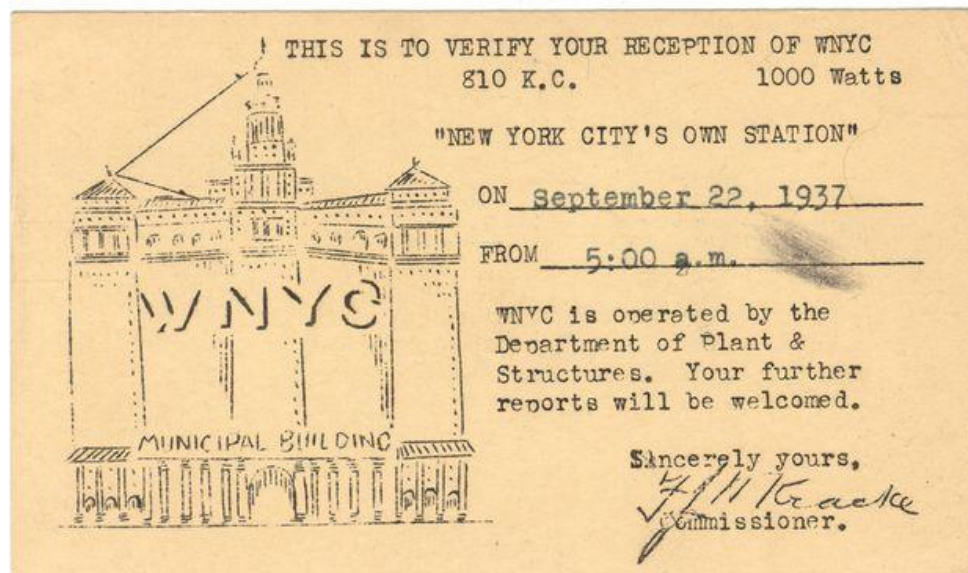
Shure “Fatboy” S55 series microphone with stand
Image: eBay

The Way We Were, continued.

I asked dad about that little studio, and he told me that there once was a radio station there, but that it had not existed for some time. It wasn't until many years later that I found out that the station was **WMSG**. Today, Madison Square Garden is still an important sport and concert venue, and the organization remains active in broadcasting, but via its satellite network, instead of via terrestrial radio broadcasting.

WNYC came on the air in 1924 on 570 kc, and was operated by the City of New York's Department of Plant and Structures. A number of frequency changes followed, to 810, 820, and finally, 830. [25]

WNYC is only the second broadcast station to be established in New York City, following the initial efforts of experimental station **2XG** in 1919, leading to the establishment of station **WJX**, operated by the De Forest Radio Telephone and Telegraph Co., in 1921 from its headquarters on Sedgwick Avenue in the Bronx, until its financial failure shortly thereafter. [26]



WNYC QSL card, 1937
Image: eBay

For a very interesting and detailed account of **WNYC**'s early days, please follow the link at Note 25 below. Today, **WNYC** maintains its AM outlet on 820, and its FM station on 93.9 Megahertz. In 2009, they purchased **WQXR** from the *New York Times*, and both stations form part of National Public Radio as listener-supported, non-commercial stations. [27]

WABC are call letters with a long and complicated history. It was first licensed in 1923 in Indiana on 1310 kilocycles, to the Fulwider-Grimes Battery Co. In 1925, the call belonged to the Asheville Battery Co., of Asheville, North Carolina on 1180 kilocycles. Then, late in 1926, the call was licensed to the **Atlantic Broadcasting Corp.**, which was an outgrowth of the merger of **WAHG** and **WBOQ**, and located in Richmond Hill, Queens. [28] The owner-operator of **WAHG** was **Alfred H. Grebe**, well known manufacturer of radios and radio components in the 1920s. Not long after this, **WABC** was acquired by the Columbia Broadcasting System, but two years are given for this, 1927 and 1929. [29] Since **WABC** was shown previously as being licensed to Grebe in 1928, the 1929 date is more probable.

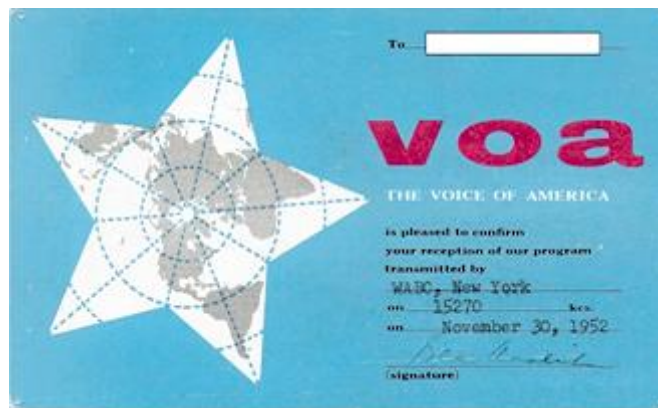
The Way We Were, continued.

WABC-FM began life in 1946 as **W67NY**, the number “67” in the call letters signifying Channel 67 on the original FM band, which was allocated for 42 to 50 Megahertz. **W67NY**’s FM Construction Permit was filed in 1941. It states their channel frequency as 46.7 Megahertz, with a power of 8,500 Watts.[30]



WABC (Atlantic Broadcasting Corp.) QSL card, 1932
Image: eBay

Here’s an anomaly. In 1952, the call letters **WABC** were also used by one of the Voice of America transmitters, located in New York, as shown by this unusual QSL from the V.O.A. that year. Its actual location is unstated, but it may have been Brentwood, Long Island - where a future V.O.A. transmitter was located.



WABC (V.O.A.) QSL card, November, 1952 on 15270 kHz!
Image: eBay

In 1953, **WABC** became the property of the **American Broadcasting Co.**, with the Columbia Broadcasting System changing call letters to **WCBS**. American Broadcasting had operated station **WJZ**, but with the acquisition, changed call to **WABC**. From 1961 until 1998, **WABC** became the leading Top 40 music station in New York until its acquisition by Red Apple Media, which changed its format to conservative talk, and billing itself as “Talk Radio 77” on 770 kilohertz. [31] Its powerful 50 kW transmitter is located on Route 17 South in Lodi, New Jersey.

Before the existence of the present **WBBR**, operated by Bloomberg Radio, the earlier licensee of that call was the People’s Pulpit Association, with studios in Columbia Heights, Brooklyn, and transmitter on

The Way We Were, continued.

Staten Island. This organization later became known as the Watchtower Bible and Tract Society, Inc., representing the sect known as Jehovah's Witnesses, whose name and mission are derived from several Bible verses, including this one: Isaiah 43, verse 10, "Ye are my witnesses, saith the LORD, and my servant, whom I have chosen..." (*King James Version*).

The **WBBR** of the Watchtower Society was established in 1924 as a non-commercial station, one of several acquired by the Society. In 1927, owner Judge Joseph Frederick Rutherford engaged in a battle with the Federal Radio Commission, following the government's declaring the station "unessential," and its unsuccessful attempt to shut the station down by giving preferential treatment to N.B.C. station **WJZ** for use of their frequency. Judge Rutherford had previously locked horns with the government in 1918, when he publicly opposed the military draft during World War I. **WBBR** was also controversial for the station's religious views, especially their opposition to canned foods and vaccination. [32]

Despite a brief setback in 1945 from a fire at their transmitter site, they rebuilt the facility in 1946 and erected a 411 foot three-tower array on an 18 acre farm at Rossville, Staten Island. The transmitter site included their own generator which provided power for the rest of their broadcast history. They operated the station until 1957, but the high cost of maintaining a broadcasting station led to the sale of **WBBR** and concentrating instead on their traditional tract publishing and missionary efforts.

On April 15, 1957, the station was sold to H. Scott Kilgore's Tele-Broadcasters of New York, who changed call letters to **WPOW**; but two years later, Kilgore sold **WPOW** to an Illinois firm that brokered radio time to religious broadcasters, [33] which by that date had to share time with **WBNX** on 1380 kilohertz. For a fascinating brief history of **WBBR**, recorded from actual broadcasts, "WBBR's Last Weekend," follow this link:

<https://youtu.be/HPA2ixBNFHw>



Eugene V. Debs' antiwar speech in Canton, Ohio, June, 1918, leading to charges under the Espionage Act of 1917

Image: *Wikipedia*

WEVD was established in 1927 by the Socialist Party of America, and licensed to the Debs Memorial Radio Fund — the call letters standing for Eugene V. Debs, who had died only months before in the latter part of 1926, to serve as a memorial to him.

Debs was an Indiana born labor activist and Socialist Party presidential candidate in 1900, 1904, 1908, 1912, and 1920. His 1920 campaign garnered more than 900,000 votes while he was serving a prison sentence for his conviction under the Espionage Act during the presidency of Democrat Woodrow Wilson in 1918, stemming from his open opposition to the United States' participation in the First World War. [34]

The Way We Were, continued.

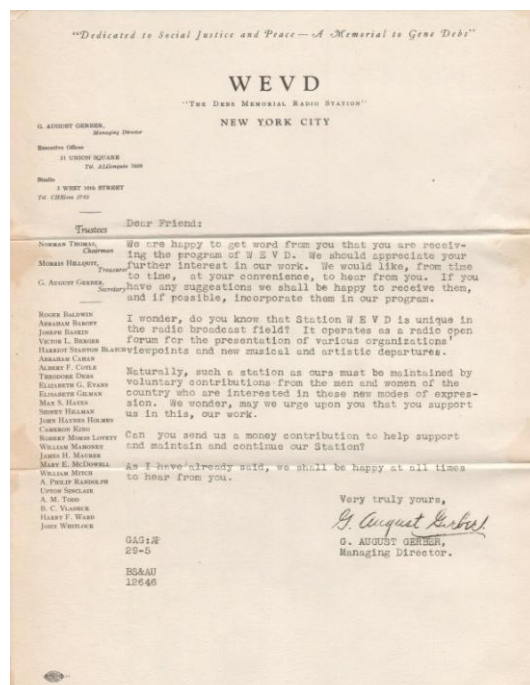
WEVD's programming was chiefly in Yiddish, serving recent Jewish immigrants from Eastern Europe. It featured a number of colorful and popular voices in the Jewish community of New York, as well as local performance talent. There were several other New York City stations with similar programming, [35] but **WEVD** was the only one to survive with its programming intact for many years.

By 1932, the station was acquired by the Yiddish language newspaper, *The Forward*. The paper later fell on hard times, losing much of its readership due to some political differences with its readers, [36] as well as to the effects of cultural assimilation, the last of these also the ultimate fate of **WEVD**.

In 1951, **WEVD** added an FM outlet, first on 107.5, then moving to 97.5 Megahertz in 1952, and remaining on that frequency until 1987. But the AM station suffered from a reduced audience, and in 1981 **WEVD-AM** was sold to Salem Media — changing its call letters to **WNYM** and radically changing its identity to Christian programming.

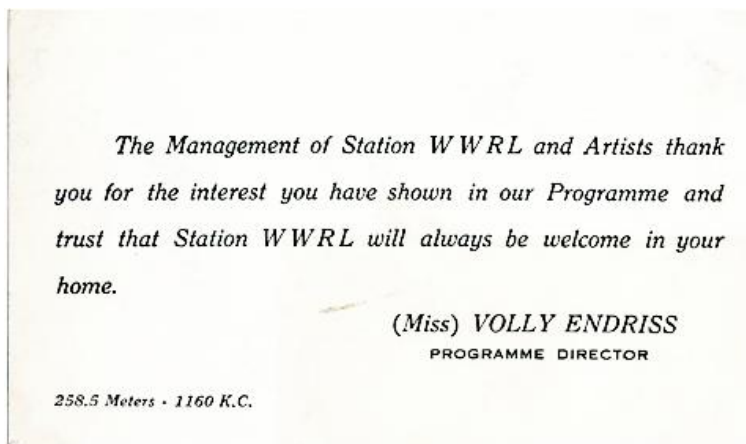
Subsequently, Salem merged with station **WPOW**, and evolved it into **WWRV** while ending the shared time operation on 1330. In 1988, with the acquisition of **WNBC** by Ennis Broadcasting, and their moving **WFAN** to 660, the 1050 frequency became available, and Spanish language station **WUKQ** occupied that frequency briefly until **WEVD-AM** moved to 1050, and **WEVD-FM** became **WSKQ**.

The programming on **WEVD-1050** changed to Liberal talk, but it was not successful, and after its sale to the ESPN Network, the call letters changed again to **WEPN**, [37] with an all sports format.



Undated WEVD QSL letter, asking for contributions from listeners

WWRL was established in 1926, and operated by William H. Reuman. Its initial frequency was 1160, then 1120, but in 1928 it moved to 1500 kilohertz, followed by further moves, first to 1490 in March of 1941, and one day later to its present frequency of 1600. [38]



WWRL QSL card, 1926
Image: eBay

The Way We Were, continued.

It should be noted that in 1924, amateurs were no longer restricted to “200 Meters and down,” (1500 kilohertz and higher frequencies), meaning that from that year forward, 1500 kilohertz (200 Meters) was re-allocated to broadcasting as the highest frequency of the AM broadcast band. The lowest frequency band allocated for amateurs was the 1715 to 2000 kilohertz band, commonly referred to as the 160 Meter band, but actually covering 175 to 150 Meters, which amateurs shared with stations in the Fixed and Mobile (Marine) services. With further applications for broadcast licenses, and in order to minimize further crowding of the AM broadcast band, the upper broadcast band limit was extended to 1600 kilohertz in 1941. [39][40] In 1990, the AM broadcast band in North America was expanded further to extend from 1610 to 1700 kilohertz, with power limited to 1000 Watts, but with provision for an increase in power up to 10 kilowatts. [41]

The earliest days of **WWRL** were operated at William Reuman’s private residence under the commercial name of Woodside Radio Laboratories. They went on the air in 1926 on 1160 kilohertz. His first broadcasts featured local talent, including those of a young singer from Astoria by the name of Ethel Zimmerman, better known by her later stage name, Ethel Merman. In 1927, the Federal Radio Commission ordered a move to 1120, where it was necessary to share time with several other stations.

In 1929, Reuman established himself as the Long Island Broadcasting Corp. Inc., and was once again ordered to move frequency to 1500. By this time, programs were offered in English, German, French, Polish, Hungarian, Czech and Slovak. In 1941, the station moved to 1490 and within months, making its final move to 1600 kilohertz. In 1951, the station moved from Woodside to New York City, and programs were also ethnically oriented, including several new languages, as well as programs dedicated to New York’s Black community. By the end of the 1950s, Spanish programming was included, with several soon-to-be well known Black disc jockeys, including Hal Jackson. [42]

Reuman retired in 1964, selling the station to Sonderling Broadcasting, which fully developed its Black programming, featuring such talents as Frankie Crocker and “Jocko” Henderson, and including urban gospel programs aired in the evenings. In 1979, **WWRL** merged with Viacom, temporarily carrying sports talk, but switched back to a music format in 1981. One year later, Viacom donated the station to the Negro College Fund, which sold the station to the National Black Network, whose Unity Broadcasting group changed format to Christian broadcasting. The station was granted a power increase in 1996 to 25 kW. Several more programming changes took place in subsequent years, including Mexican music and South Asian programs, and by 2020, the station had returned to its earlier, Black programming, where it remains today. [43]

<><><><><><><><>

This has been a somewhat difficult, but fascinating tour de force of Metropolitan New York City radio, beginning with the year 1928, and in some cases, bringing us up to date on the later ownership and format changes of the present. My interest in these stations was fueled by the recollections of my father, once a professional musician (alto and tenor sax), and his stories about performing live with New York City bands on several radio stations in the 1930s and ‘40s.

Dad played on **WBNX** when they were at Starlight Park in the Bronx; **WRNY** in Manhattan, but with transmitter at Coytesville, New Jersey (part of Fort Lee); **WHN** in Manhattan, and last but not least, **WWRL**, which dad described as “a little white house in Woodside.”

I think those stories helped fire my own ambitions to enter the world of radio broadcasting — at least for awhile, and to spark a longtime passion for tuning the AM band at night to catch the plaintive sound of weak, fading stations far, far away amid static crashes, years before I became a licensed amateur radio operator.

I hope you’ve enjoyed this journey with me.

Until next month, 73,

Fred W2AAB

The Way We Were, continued.

NOTES:

- [1] "Chronology of call letters WGBS," *Radio-TV Broadcast History*, at: https://broadcasting.fandom.com/wiki/Chronology_of_call_letters_WGBS
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- [3] *Radio Service Bulletin*, No. 128, U.S. Department of Commerce, Federal Radio Commission, Washington, D.C., November 30, 1927.
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Here is the "nerve center" of W1AW – the ARRL headquarters station – showing the racks of equipment used for sending the daily code practice broadcasts, the ARRL Bulletin broadcasts and for monitoring the performance of all the equipment.

The ARRL Bulletin broadcasts are sent in a variety of modes including voice, RTTY, and Morse code.

The full W1AW Operating Schedule can be viewed at:

<http://www.arrl.org/w1aw-operating-schedule>

Photo credit: Alex KC1RMO, ARRL Social Media

2022-2023 FLARC ACTIVITY CALENDAR

	Friday, December 2 nd		FLARC Annual Meeting
	January 28-29, 2023		Winter Field Day
	Saturday, June 10 th , 2023		FLARC Hamfest

If in doubt about any event, consult calendar at <https://fairlawnarc.groups.io/g/main/calendar>

FLARC Participates at JOTA Camp

FLARC members James KB2FMH and Steve WI2W, both Eagle Scouts, and Steve KA2YRA, a former Scout Leader, operated from the Scout Camp-o-Ree on Saturday October 15, 2022. They demonstrated ham radio and helped many of the Scouts get on the air for this world-wide Jamboree-on-the-Air (JOTA) event. A great experience for all and a tip of the FLARC hat for volunteering.



Steve WI2W and Steve KA2YRA



Steve WI2W gets the kids on the air



James KB2FMH working other JOTA stations



Steve WI2W with scout and his dad. *Used with permission.*



JOTA-JOTI is the world's largest digital Scout event taking place online and over the air. The educational event brings together **more than 2 million Scouts every year in October** for a weekend of Scouting and friendship.

Ed - itorial : Vote Early and Often

It is getting to be nomination and election time for FLARC, with this month [November] open for nominations and December for elections – at the December 2nd annual meeting.

Nomar NP4H steps down as President and I step down as Trustee. As of press time, the status of the other officers is up to them and the Nominating Committee.

Only you can apprise the state of the club as we approach 2023 but, judging by the comments from others, this is a dynamic club that has lots of items worthy of credit.

For those who aspire to office or will be continuing in their roles, it is important to review what members said earlier this year by way of the annual membership survey regarding what needed to be done to improve the club.

A summary of the 2022 data noted that:

- Despite rapid growth, there is still a strong desire to continue to grow in both size and reputation — but growth needs to be better managed.
- There needs to be a focus on “engagement” – “events,” “projects” and “learning”; there is a desire for it - especially from new hams/new members.
- There is a need to create a better balance between engaging new members and retaining the interest and participation of long-time members.
- We need to find ways to maximize the value of the club for those who have little time to experience it.
- We need to ID volunteers and new members and give them something to do.
- We need to encourage more SIG groups around interest topics or self-generated ones.
- There is a desire to better leverage technology – video, Zoom, Slack, etc.
- FLARC has become a powerful “brand” based on its friendliness, involvement, programs, and growth. “It’s the best club around!”

How well the club has moved on these items is, obviously, based upon your perception. With a

Ed - itorial, continued.

change in leadership, it is important that you help set the future direction of travel. The club has a solid financial base, has improved the technology within the clubhouse and has grown both in size and influence.

Now, with scale, it is important to find new members who will participate and give of their time and interests to make the club even better. This can be a difficult “ask” in these Covid-19 times.

From where I sit, FLARC sits in a rarified atmosphere among amateur radio clubs. It is blessed with many assets – physical, financial, and fraternal. But we all know that change is constant, and success is always fleeting.

Get active and involved in the club... make your voice heard — not just over these next two months but for all of 2023.

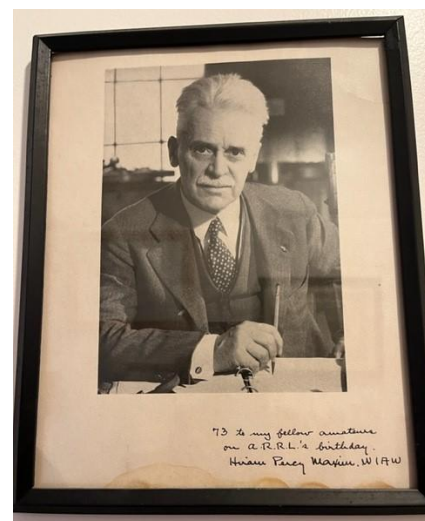
Vote early and often.

DE Ed W2R

PS: Don't forget that the 2023 Membership Survey arrives in your email box on December 1st.

The Old Man Is Watching at W1AW

Neatly tucked in an alcove at W1AW, Hiram Percy Maxim (W1AW himself) stands guard over the premises. Noted on our 13 October FLARC visit.



W1AW at W1AW

Digital Voice SIG Update



DigiVoice@FairLawnARC.groups.io

A Special Interest Group SIG for those interested in Digital Voice modes (Digital Mobile Radio) communications and software.

DMR nets have picked up in the last months on Brandmeister TalkGroup 310015, Tuesday evenings at 7:00pm.

If others would like to be net control, join the group and send a message.

We would like to thank Brad for the use of TG 310015.

There is also a FLARC "digital-voice" channel on slack for "real time chat" and a sub-group on our host at

<https://FairLawnARC.groups.io/g/DigiVoice/>

For those interested in joining all the Digital Voice excitement, Contact Bob H. at:

KD2BKD@optonline.net

for information on the Digital Voice SIG.

Or just go to the club website

<http://FairLawnARC.org> and use the

"Join Special Interest Group(s)" link on the left.



Radio Monitoring Special Interest Group Update

monitoring@FairLawnARC.groups.io

A Special Interest Group SIG for those interested in SWL and other radio communications monitoring.

As the fall season is upon us there is more time available for our radio monitoring activities.

This time I thought I'd take a look at one of the lesser known but interesting parts of the VHF/UHF spectrum that is easily monitored by a typical scanner. I am specifically referring to the frequencies from 225MHz to 400MHz. This part of the spectrum ranges from the top of the amateur 222MHz band to the 406 through 420MHz federal government communications band.

The primary occupant of this wide frequency range is the US military.

Lots of the communications heard on these frequencies consists of military aircraft in flight, communicating with each other and ground stations. Most of this traffic is on AM and can be heard on almost any frequency within this range.

Tactical call signs seem to be mostly used. Traffic can be almost anything from routine take off and landing instructions from air ports to pilots interacting with others during military operations. Lots of the traffic is in AM, but encrypted digital can be heard as well. This sounds like White Noise and cannot be monitored. Military aircraft communications can be heard in any part of this frequency range.

In addition to aircraft communications there is a group of frequencies from 240 through 270MHz that are used for military satellite downlinks.

Starting in the 1970s the military launched a series of satellites known as FLTSAT or Fleet Sat Comm. They are in geosynchronous orbit at the earth's equator. Later they were joined by a group of satellites known as Uniform Follow On or UFO. The purpose of these satellites was to provide reliable communications for the US military.

Continued on next page.

Radio Monitoring SIGroup Update, continued.

Both FLTSAT and UFO satellites are "bent pipe" transponders — meaning that any type of signal that can be sent to them on their uplink frequencies can be down-linked through them.

Most of the traffic on the satellites is encrypted digital, but some FM "in the clear" voice can be heard.

Using tactical call signs, two stations will establish communications with one another in FM and then go digital.

In addition to legitimate military traffic the satellites have attracted a large group of illegal pirate users mostly from Brazil. These communications miscreants use the satellites for Citizens Band type communications among truckers, illegal loggers in the Amazon, criminals and drug dealers.

This is an ongoing problem to our military and unfortunately still exists today. Fortunately, the military is moving away from these "bent pipe" satellites to satellites at much higher frequencies that have lots of secure safeguards to prevent pirate users from commandeering their frequencies.

There is also a group of unintentional users that have been heard on the Milsats. These include studio to transmitter links from broadcast stations in South America, as well as what appear to be remote pick-up links from similar stations.

To sum it up, this can be an extremely interesting part of the spectrum for scanner listeners who want something different.

Don't forget to mark your calendars for Saturday, November 19th at 10AM Eastern Standard time for a very special Kawfee Tawk™ sponsored by the Monitoring Special Interest Group of FLARC. It will be carried on Zoom.

Our guest will be Bob Zanotti.

Bob has spent his career in the arena of international shortwave broadcasting and has worked for Radio Sweden and Swiss Radio

International. For many years he has been one of the hosts of The Swiss Shortwave Merry-Go-Round.

Bob will give us an overview of his years in international broadcasting from the inside, as well as a look at the future of shortwave on the world media stage.

Bob, in addition, holds the amateur call HB9ASQ as well as being the former WA2UPQ, from NJ.

As a result he is uniquely qualified to give us his perspective of the amateur radio scene in Europe.

He is originally from New Jersey, with roots in Bergen County.

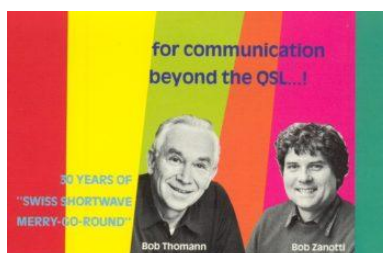
We will post log-in instructions to access this talk over Zoom as the time draws near. Watch the usual FLARC communication channels.

That about does it for this month's monitoring column.

If you have any questions, suggestions or requests feel free to E-Mail me at dmarthouse@gmail.com

73 and good DXing.

de N2AAM

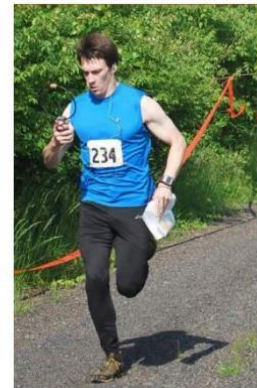


Tips on Transmitter Hunting

By Robert Holstrom – KD2BKD

Transmitter hunting also known as, T-Hunting, Fox Hunting, Radio Orienteering, and Radio Direction Finding, is an activity that ham radio operators participate to find a hidden transmitter. There are several different types of equipment that can be used which we will get into. No radio license is required for transmitter hunter as one just receives the signal. The actual transmitting person requires licensing. Radio Direction Finding is an art, not a science, it requires skill. Practice is needed to acquire these skills.

Some transmitter hunts are on foot where people hunt down low power transmitters (15 milli watts) typically in a park or wooded area. Some on foot hunts are like running races. FLARC has done on foot hunting with Karl's W2KBF micro-fox at Memorial Park in Fair Lawn. The on-foot hunts are great practice for larger area / higher power transmitter hunts. A lot can be learned about techniques and to get used to your equipment. Several hunts can also be done in a single day. Many of these hunts have multiple transmitters hidden where when you find the transmitter the frequency for the next is written on it. On foot hunts typically use 2 meter or 70 cm transmitters.



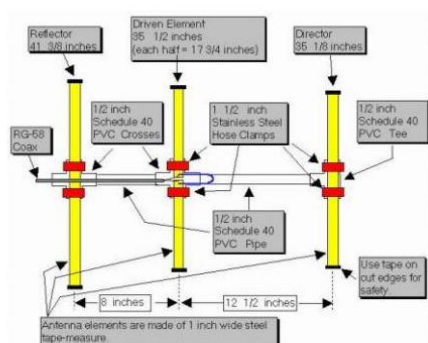
Other transmitter hunts are done in a larger area and are typically done via automobile. Many of these hunts use a 2-meter frequency. The range of these hunts are usually within 5 miles of the common starting point. Some mount directional antennas to their vehicles to help find the transmission place while driving. It is suggested to have the copilot man the radio. Others use doppler systems on their vehicle.

HF transmitter hunting is also done mostly on 10 meters and 80 meters and can be over a very large distance (50+ miles).

In Western USA there is the "All Day Hunt" which takes a whole weekend and the distance of the transmitter has been 300+ miles from the start area.

To start off as a transmitter hunter all that is required is a receiver capable of receiving the frequency of the transmitter. A simple HT radio can be used. You can get a rough bearing by simply holding your HT close to your chest and turning around, listening for the signal null that indicates that the source is behind you. When getting close to the transmitter the signal maybe so strong that the antenna may need to be removed. Metal blocking the signal can also help. Some have found the transmitter first using just an HT and hubcap.



Bob Holstrom – KD2BKD, continued.

The next step if you're willing to spend a little time or money is to build or purchase a directional antenna. Elk and Arrow both sell very nice handheld directional antennas which also work great for satellites, VHF contests, and other times when a directional antenna is needed. If you like to build, then the tape measure antenna is an easy and inexpensive alternative. It also folds up nice. Others may want to build a Yagi or Moxon antenna. With the directional antenna connected

one would point the antenna 360 degree around to find the direction. Twisting the antenna to make it horizontal or vertical can also attenuate the signal to be able to find a finer angle of the direction.

Another directional antenna is a loop which can be made or purchased. A loop antenna has a null on both sides and is less affected by reflection signals. Think of it as a bull's eye when the signal is lowest is the direction of the transmitter. Popular with VHF and UHF direction finding. This type of antenna is also used for HF direction finding as it can be made small enough to maneuver. An HF Yagi or Moxon would be quite large.

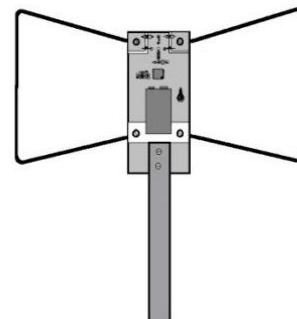


The next level is to get an attenuator as when you start to get close to the transmitter the signal may be so strong that it will come in equally in 360 degrees of rotating the antenna. Offset attenuators can be bought in kit form or built from scratch. Step attenuator can also be used, but the commercially available step attenuators seem to be quite expensive. As you sweep your directional antenna from left and right and find the direction, adding attenuation will allow you to fine



tune where the signal is coming from. As you get closer more attenuation will be needed. This technique is what I have always used even while driving with directional or even a standard mobile antenna. As the signal gets strong more attenuation would be added and if the signal goes away, I am getting farther away.

Another option is to use a TDOA (Time Difference of Arrival) unit. It typically is a kit and does not require an attenuator. This is a great system to have when getting close. The TDOA works by detecting the difference in the phase of the RF signal received by each dipole. Rotate the TDOA system and when both dipoles are equal distance from the source the tone disappears. The signal could be from the front or back similar to the loop antenna.



Bob Holstrom – KD2BKD, continued.



An advanced method of radio direction finding equipment is a doppler system. They use multiple antennas to simulate an antenna system rotating. The rotation of the antennas causes the relative frequency of the signal to change. Similar to hearing a train horn coming at you with a greater frequency and leaving at a lower frequency. The frequency change can be used to determine the direction the radio source is coming from and display the results. There are kits to build a doppler system available.

When starting the hunt at the designated start time one would turn the direction-finding device to take a bearing. Directional antenna maybe required to be able to receive the signal. I listen for the signal strength, but many use the meter on the radio to see how strong the signal is. I sweep the directional antenna back and forth to find where the left and right sides the signal is gone. I add attenuation to make the back and forth movement less to get a better bearing. Now use a paper map and draw a line from where you are to the direction you have detected the signal. There are also bearing programs for smart devices which will plot bearings on a map.

One example is SigTrax for Android devices. The program knows your location by GPS and you rotate your smart device to the direction the signal is strongest then take a bearing. The bearing is plotted on the map in SigTrax. SigTrax also has paid options to allow multiple people to take and share bearings from multiple locations and they will be plotted on everyone's in the group Smart Device. Wow, this could be considered cheating as the group could get 3 or more instantaneous bearing to just go to the intersection very quickly.



Now you should not necessarily go straight toward the signal but to the side. Then take another bearing and plot either via paper map or Smart Device. Many will take a third bearing off to the side and then go to the intersection to find the transmitter.

This may seem easy but there are reflections and obstacles causing RF issued of the bearings. It is always very good to have a map and review the area beforehand. The transmitter will typically be in a park. It could also be in a shopping center parking lot.

Once closer to the transmitter the signal will be very strong proving you are close. The signal maybe so strong that it comes in full strength a full 360 degrees around. Max attention may not help. Even removing the antenna may not help. The cheap HT radios do not have metal cases so the signal will just come thru. Some use a metal can to but the radio in with one side open to find the direction. A TDOA device may help these last few hundred feet. Going off frequency is another technique used. Many times, it is just pure luck in the end to find the transmitter.

Ron Fecher, KC2TBD

— A Tribute

On September 30th, my friend Ron Fecher passed away. He left behind those who knew him, and who respected him. I first got to know Ron about five years ago, meeting him at the club rooms at the Fair Lawn Community Center.

One thing impressed me right away about Ron. Although he was up in years, and although he was a relative newcomer to amateur radio, he always wanted to learn. He listened. He applied what he had learned, and he was always thankful to all who gave him advice and additional knowledge.

Professionally, Ron was a chemist in the pharmaceutical industry, working for many years in medical research. He had retired more than twenty years ago, filling his free time with a number of activities.



Ron KC2TBD SK

His non-radio pastimes included being an ardent freshwater fisherman, belonging also to the Fair Lawn Hunting and Fishing Club which, incidentally, once met in the same building as FLARC back in the 1960s.

He enjoyed hiking, social activism, and he was an enthusiastic amateur gardener. In pursuit of that interest, Ron started a Community Garden for fellow residents, where he grew vegetables. His crops were abundant, and he shared his abundance with FLARC members, other friends and neighbors.

Ron's social activism included being a member of the WBAI Local Community Board, whose meetings he frequently attended, walking all the way to Manhattan to contribute his ideas. WBAI is a non-commercial, listener supported FM station with decidedly Progressive programming.

If I had to sum up Ron's contributions to us, I'd say he was passionate about honesty, kindness, justice and peace. These occupied his fertile, agile mind and he put these principles into practice whenever he could. Ron and I had many hour-long telephone chats, during which we discussed many topics. We shared a healthy dollop of skepticism about politicians as well as a conviction about the importance of studying history.

Like me, Ron was a "Brooklyn boy," and we liked to reminisce about those cobblestone streets, trolley cars, subways, the diverse neighborhoods, their unique ethnic stores, and the hustle and bustle of the city.

Ron was a friend to all. He had no prejudices. He was, simply, a good man with a kind heart, always ready to help, and always appreciative of those who offered to help him. In cold or inclement weather, I frequently offered to drive him to the club. Grateful, he always declined. When Covid held many of us in a state of anxiety, Ron became more cautious about visiting the club, even after the lockdowns were lifted. He told me many times how much he liked reading my columns, and regretted that he had no internet connection at his home, so he walked the mile or so each way to the Fair Lawn Library, reading copies of *The Resonator* every month on their computers.

Ron was a powerhouse of energy. He used to walk at least four miles a day, shopping for food often at the Shop Rite on River Road. I wondered how he managed to lug home his groceries. A walk that far, carrying groceries back home would probably give me a coronary. I used to marvel at his ability to walk such long distances for someone his age.

"Ron," I would tell him, "I could only walk four *blocks* before I'd have to lie down and take a nap." Undaunted, Ron continued with his long walks, and he was a familiar figure on Fair Lawn Avenue, on his way to the Library. Whenever I spotted him, I'd pull over and offer him a lift. "No thanks," he'd say, "I like to walk." He advised me to try it myself, starting out by walking a short distance early in the morning, and gradually increasing the distance. I should have done what he suggested, but I never did.

Ron wasn't a particularly religious man, but his faith seemed to be in the essential goodness of most people. In that, I would agree. It's really only a handful of bad guys who make life difficult for the rest of us.

Ron was one of the good guys. I will miss him.

— Fred, W2AAB

Around the Shack

Hal Kennedy N4GG

The Tale of the Accu-Keyer

If you are an old-hand CW op you may know of the WB4VVF Accu-Keyer. Or, maybe you don't. But if you have ever used a paddle to send some CW, then Jim Garrett WB4VVF probably had an effect on the way you sent.

Lengthy erudite papers have been written about the nuances of electronic keying. The attributes of VVF keying (sometimes called "Accu-Keying"), Curtis keyer chip keying, Mode A and Mode B keying, etc. are still being debated decades after their creation. The details involve how dots and dashes are completed, whether the keyer has dot and dash memories, how it toggles those, etc. Personally, I think the best version of iambic keying (aka "squeeze keying") is the one you are used to. You can read about the subtleties on the internet. This article is about the story of the Accu-Keyer – not the technical details.

The Accu-Keyer was published in the August 1973 QST. At that time, the transition from discrete transistors to rudimentary ICs (integrated circuits) was in full swing. Jim Garrett WB4VVF, an SSB-only operator, decided to build a keyer using logic ICs - something that to my knowledge had not been done before. Duke Contini N4SA (sk) was a CW op and collaborated heavily. Jim, Duke and I worked for Martin Marietta in Orlando at that time.

There had been prior keyers to be sure. The first electronic keyer to appear in QST (April 1940) used vacuum tubes – the transistor had not yet been invented. The author was W2ILE, Harry Beecher. A lot of Beecher's circuit wound up in subsequent keyer designs.

A milestone keyer was the "TO Keyer" devised by Jim Ricks W9TO, working together with Hallicrafters. Hallicrafters offered the keyer for sale – the model was the HA-1. Ricks held a patent for the circuit. Thousands were sold. So many, in fact, that 60 years later they are still easy to find on eBay and at hamfests. The HA-1 is shown in figure 1. Note it says "T. O. Keyer" on the front panel. As with Beecher's design it used vacuum tubes and was not iambic. It completed dots and dashes and that was it. Connected to an iambic paddle and with both contacts closed, an HA-1 will send a continuous string of dashes, although not by design. Squeeze keying was mostly unknown when the HA-1 entered the market in 1960.



Figure 1. The Hallicrafters HA-1 T.O. Keyer

W9TO was generous with his design. He readily gave the schematic to anyone who asked. The schematic was also in the back of the HA-1 manual. Doing research for this article I was surprised to discover the TO Keyer was never described in a published article. I wanted to read the original article – there isn't one!

I would guess that for every HA-1 Hallicrafters sold, one or more (many more?) were home-brewed. The parts were easy to get and this was the era of DIY ham gear.

Beyond the Accu-Keyer's ground-breaking use of ICs to implement iambic keying, Jim broke ground in another way. To my knowledge, The Accu-Keyer was the first QST article to offer one or more parts for sale by the author. The article ended with: "A ready-made circuit board is available from the author for a cost of \$3.50." Note, the PCB was available from Jim, not the ARRL.

I wondered at the time and am still a little surprised the ARRL allowed the PCB to be sold by Jim. But that happened and it had a significant financial impact at WB4VVF. Jim went on to sell over 20,000 PCBs and most of the \$3.50 price was good-old-fashion profit. You can do the math – that was a lot of money in the mid-1970s.

As publication approached and mindful the PCB offer would be at the end of the article, Jim decided to go out on a limb and have a small quantity of PCBs made. How many? The initial order quantity was "all I could afford to lose," which was 200 boards. Jim and Duke had a friendly \$1 bet that 100 PCBs would/would not be sold by Christmas 1973 (the QST article would have been in circulation for five months).

Around the Shack, continued

Per the norm for QST authors, a proof of the article went to Jim the month before publication (July 1973). Amazingly, PCB orders started arriving pre-publication! The ARRL staff and friends had seen the article and wanted to build Accu-Keyers. This was a harbinger of the immense popularity the Accu-Keyer would achieve. 100 PCBs were sold long before Christmas. Duke paid off the \$1 bet. Forty-nine years later Jim still has the \$1 bill.

The Accu-Keyer circuit was debugged and perfected on a breadboard Jim built using hobby board – the kind you can plug components and wires into without soldering. The breadboard was not retained – it was cannibalized for parts shortly before the first two PCBs came about.

The design of the Accu-Keyer PCB and production of the first two examples followed the typical route for roll-your-own PCBs in the 1970s.

Jim laid out the Accu-Keyer PCB on a drafting table at his home, at 4X final size. If you are not an old timer you may have trouble conceptualizing the layout process before personal computers. PCB layouts were made freehand using black tape placed on a Mylar sheet. Placement of the parts and routing of the connections was wholly dependent on the ingenuity of the designer.

The Accu-Keyer board design was simple. It was single-sided and did not use plated thru-holes. The lands did not have nice direct routes with square corners like they do today. Turning corners required bending the black tape as it went onto the Mylar. Jim took the finished 4:1 Mylar sheet to a local photography store and they photo reduced it 1:4 and returned the image as a negative.

The negative was used to expose a photo-sensitive coating on PCB blanks and then a strong etchant was used to dissolve away the copper that had not been exposed. The first two Accu-Keyer PCBs were made this way in WB4VVF's kitchen sink. The very first of Jim's kitchen-sink boards is in my personal Accu-Keyer. It is a cherished possession. The whereabouts of the second PCB is unknown. Yes, I built and own Accu-Keyer S/N 00001. It is the first of over 20,000 examples.

Figures 2 and 3 show my Accu-Keyer, built to Jim's "instructions" in late 1972. Jim's instructions: "Here, populate this PCB and see if it works." It worked straight-away and I've used in on the air for 50 years.



Figure 2. Accu-Keyer S/N 00001, built by N4GG

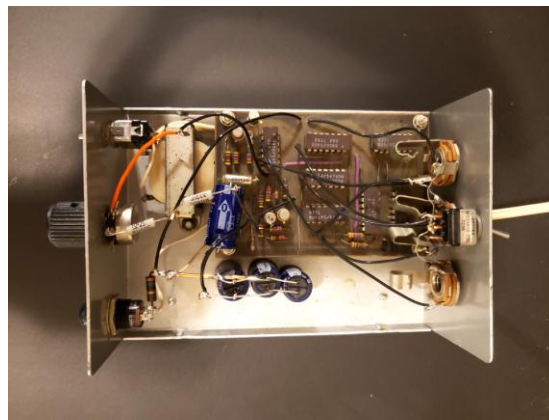


Figure 3. The interior of S/N 00001 built on the first "kitchen-sink" PCB. Over 20,000 followed.

As mentioned above, selling Accu-Keyer PCBs became a lucrative business. Flush with "Accu-Money," Jim used some of the funds to buy a brand-new 1985 Corvette, which immediately became known within the local ham community as the "Accu-Vette." Jim was sometimes referred to as "Accu-Garrett." As the years went by, Jim's friends appended "Accu-" to the front of nearly anything Jim got involved with. It was all in fun with Jim as amused as anyone.

Accu-collaborator Duke N4SA was a ham's ham. He was an ardent DXer and contester, and was on the air whenever he wasn't at work. Duke's contesting led to him and Jim taking the Accu-Keyer a step further, designing one of the first memory keyers - named, of course, the "Accu-Memory." (QST, August 1975).

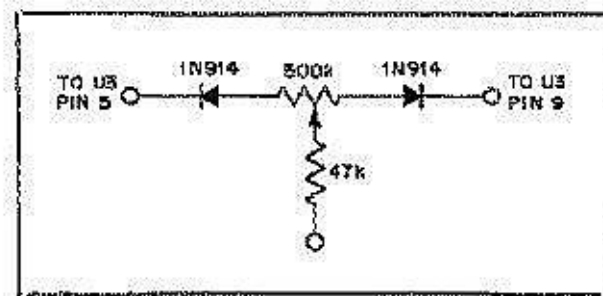
Around the Shack, continued

As with the Accu-Keyer, I built Accu-Memory serial number one (if you don't count the breadboard). I regret it is no longer in my possession. I gave it to W2DNG (later W8RT) (sk) and it subsequently got passed around the North Jersey DX Association. At one point it was in the possession of Howard Wolf W2AGW (sk). Howard sat on top of the DXCC honor roll for many years, having worked all but one. I'd like to get that Accu-Memory back! Over 4,000 Accu-Memory board sets were sold. The design required three PCBs in addition to an Accu-Keyer board. The three board set was \$12 and significantly increased Jim's Accu-Revenue.

One feature lacking in the Accu-Keyer design was a weight control. The keyer's TTL logic formed a perfect 1:3 weight ratio between dots and dashes, determined by counting out one or three clock cycles. The 1:3 weighting was hard-wired into the design. Wanting a weight control (and knowing a lot of other people wanted one) I decided to come up with something.

Jim and I made a friendly bet that I couldn't devise a simple way to add a weight control. Maybe with a major redesign of the keyer's logic circuits it could be done, but that would be close to an entirely new keyer.

The February 1978 QST carries my article, which the ARRL decided to publish as a "Hint and Kink," entitled A Weight Control for the Accu-Keyer. Jim acknowledged it worked fine. I won the bet. The weight control added two diodes, one resistor and a potentiometer to adjust the weight. None of the keyer's circuits were modified! That's as simple as it gets. Figure 4 shows the weight control schematic and caption as they appeared in QST.



A weight control addition for the Accu-Keyer. References are to the original Accu-Keyer schematic diagram.

Figure 4. N4GG's "It Can't Be Done" Weight Control for the Accu-Keyer, with mail-inducing unlabeled lower terminal.

Source: ARRL's QST archives, only available, sadly, as low resolution PDFs.

My approach followed a predilection of mine for simple analog designs in lieu of digital ones. As an aside, here is one of my favorite stories from my engineering days. An EE working for me proposed a design for a voltage to current converter. It used an A/D converter, microprocessor complete with a few hundred lines of firmware, a D/A converter and a transistor set up as a variable current source. I had the pleasure (his horror) of telling him a resistor did the same thing. This is a true story. Oh, and you don't have to boot-up a resistor.

So, how did I get the hard-wired clock-counting Accu-Keyer logic circuits to vary their timing? I took the keyer's dot and dash memory outputs and fed them back to the clock generating circuit. The weight control adjusted the amount of feedback. The feedback slowed the clock down, making dashes and dots longer with respect to each other.

Note in figure 4 the bottom connection is not labeled! This oversight occurred at ARRL. Everyone eager to add a weight control to their Accu-Keyer sent me a letter asking where the bottom terminal connected. A month later a correction was published in QST, but it was buried deep in the magazine and in tiny print. The mail continued.

I got a lot of mail. It cost me many late nights typing replies and buying postage. SASEs were infrequent. Ah, the joys of being a QST author before personal computers and email.

Around the Shack, continued

My weight control mail however was nothing compared to the Accu-Avalanche that arrived at WB4VVF. Every one of the 20,000-plus PCB orders was a letter to open, a PCB to place in an envelope, and a check to cash. Many orders did not include an SASE. These required the extra step of hand addressing the return envelope. Mail arrived at Jim's place in large sacks.

The mailman was curious about what might be going on behind closed doors at Jim's nondescript residence – well, nondescript except for the 125 foot tower in the backyard. In addition to order fulfillment, every technical question and every complaint (bwaaaa... my keyer doesn't work... why?) came and went via the USPS. The 20,000 PCB sales were not exactly "free money."

Jim eventually turned over order fulfillment and accounting to one of Duke's kids, who was happy to have a part-time job. For many years the Accu-Keyer created a lot of work.

The first 200 PCB order was placed with Continental Circuits of Longwood, FL. Continental was a hobby shop in 1973 and struggled with an order that size. Continental eventually went on to supply the 20,000 boards that were sold, although the company must have farmed a lot of that out. The company is still in business, at the same address. It is now PFI Inc. and it can easily fill a 20,000 board order. The Accu-Keyer helped build that company.

It's hard to fully assess the impact the Accu-Keyer has had over the past 50 years. It revolutionized ham radio keying with the introduction of a simple IC-based iambic circuit. It might be a stretch to suggest it increased CW operating, but it certainly caused an increase in DIY construction. It also became the kernel for a lot of follow-on tinkering and design. To date, there have been 37 QST articles devoted to the Accu-Keyer and Accu-Memory; I suspect that is a record. I wrote "to date" because the Accu-Keyer lives on. A few PCBs were ordered in 2021! No kidding! The Accu-Keyer was in several editions of the ARRL Handbook in the 1970s. Some folks can't part with geriatric Handbooks (you know who you are) and continue to build projects from the contents.

Jim and I continue to be good friends and recently reminisced about my spinning the brand-new Accu-Vette on a country road and stuffing it into an orange grove. The car had about 100 miles on it. Jim, I and the car survived fine, based on luck rather than any skill of mine. I was the first person Jim let drive it. He thought I knew what I was doing. Good times.

I hope you enjoyed reading the tale of the Accu-Keyer. My involvement with the Accu-Keyer and subsequent escapades are a treasured part of my ham journey.

73,

Hal, N4GG



Satellite Special Interest Group Update

Satellite-SIG@FairLawnARC.groups.io

A Special Interest Group SIG for those interested in amateur radio satellites, as well as others like weather, GPS, etc..

We welcome everyone interested in all types of satellite communications. Some interests are AMSAT, ARISS, receiving weather maps from satellites, APRS via ISS, and much more.

Status of ISS ham radio stations as of October 23, 2022:

Columbus Module radio:

Kenwood D710GA (CONFIGURED) mode is for cross band repeater (145.990 MHz up {PL 67} & 437.800 MHz down). Powered off during docking and undocking of crafts.

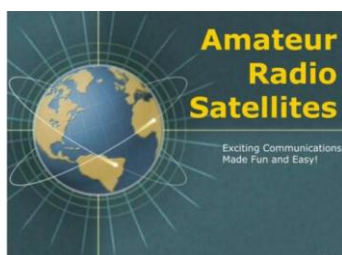
Service Module radio:

Kenwood D710GA (NOT CONFIGURED) mode is for packet operations APRS (145.825 MHz up & down). Powered off during docking and undocking of crafts.

For current status of ARISS:

<https://www.ariss.org/current-status-of-iss-stations.html>

For those interested in joining contact Bob H. KD2BKD@optonline.net for information on the Satellite-SIG. Or just go to the club website www.FairLawnARC.org and use the "Join Special Interest Group(s)" link on left.



In A Nutshell



October was a difficult month due to the cold snap that was at the beginning. However, it has gotten somewhat warmer since then. It should stay a bit warmer for a week and a half so now is the time to check those antenna connections and mountings.

I will, because it is no fun trying to do it in the cold. Most all the necessary outside work is done except for a few odds and ends. Now you can get on the radio and TALK to someone and make a friend. I have several friends on 75 meters that I regularly talk to.

Remember safety first when working outside in the cold, but you knew that. Most of all, have a good time with the hobby.

It is the people that make it fun and interesting, not just the technical aspect. Take time to enjoy playing radio and being with the ones you love.



Fred Wawra, W2ABE, 73.

FLARC / WPBARG November 2022 UPDATE



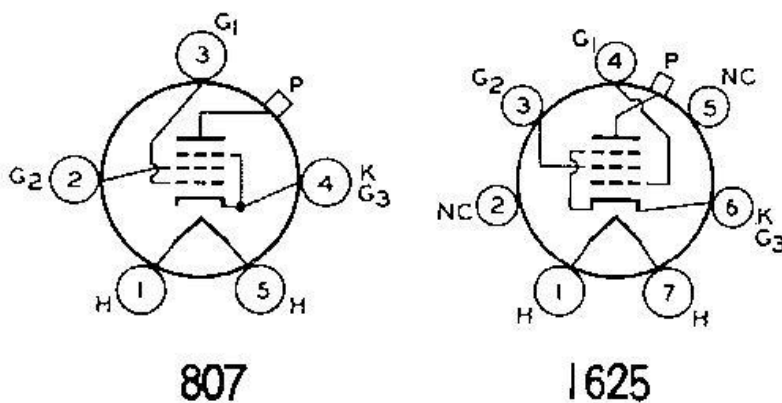
- Ed WX2R will discuss FLARC at WPBARG's January 2023 meeting
- We have invited WPBARG members to attend our monthly Kawfee Tawks
- We have posted The Resonator on WPBARG club's groups.io page
- We will begin to discuss areas of joint interest such as activities, programs, and common issues such as member development, etc.

What Is It? – Answer To Last Month's Question**By: Fred Belghaus W2AAB**

We had several replies on this one. First to respond was our reigning champion, Bill Leger WA2WL, who identified it as an 807. A correct in-person answer was also given by Steve Wraga WA2BYX. Alan WB2HJZ pointed out that the "807" type number can be seen in the picture, but under a magnifying glass. I had never noticed that!

The 807 is a Beam Power Tube, quite popular as a Power Amplifier stage in low power transmitters from the late 1930s at least up to the 1960s. Typically, they ran up to 70 Watts input (about 50 Watts output) in Novice transmitters like the E.F. Johnson "Adventurer," first sold in the mid 1950s. A pair of 807s connected in parallel are capable of 100 Watts input using CW. In the 1950s, there was an article in QST Magazine featuring a string of them in an early SSB linear amplifier. 807s were also popular as modulator tubes, especially when connected in push-pull. The 807 usually had a brown Bakelite base, but the one shown in the picture is unusual, since it has a porcelain base.

The 807 has a first cousin known as the 1625. They look alike and are electrically identical except for three details. The 807 has a filament voltage of 6.3 Volts, while the 1625's filament requires 12.6 Volts. The 807 has a 5-pin base, the 1625 has 7 pins and, because of that, the pin wiring also differs.



Images: See Note [1]

A pair of 1625s was used in the ARC-5/Command Set Transmitters and in the Command Set transmitters' outboard modulator, the MD-7. These tubes were plentiful and inexpensive in the post-World War II period, up

What Is It? – Answer To Last Month's Question, continued

to the 1960s and can still be found today at hamfests. The only difficulty in using them is in locating the appropriate 7-pin tube sockets to mount them.



BC-457/ARC-5 and BC-458/ARC-5 Command Set Transmitters (U.S. Navy)

Image: https://airandspace.si.edu/collection-objects/transmitters-radio-bc-457-bc-458-w-ft-226-mount-scr-274-n-command-set/nasm_A19602541000



Inside view of BC-457 transmitter showing pair of 1625s (center, with plate caps)

Image: <https://www.worthpoint.com/worthopedia/arc-command-set-transmitter-160-meter-1800470747>

What Is It? – Answer To Last Month's Question, continued

The Command Sets painted black were installed in Navy aircraft.
The Army Air Corps. units had unpainted aluminum enclosures and chasses.



Army Air Corps version of BC-457, designated T-22/ARC-5

Image: https://www.si.edu/object/transmitter-radio-bc-457-scr-274-n-command-set%3Anasm_A19602543000

Many of these Command Set transmitters and receivers found their way into ham shacks beginning in the late 1940s, when they were first sold as surplus, and were still present in many shacks up to the 1960s. They could often be purchased for \$20 or less, making them ideal for beginning amateurs.

807s and 1625s are also popular in audio amplifiers based around the famous Williamson design, and are still being built by today's analog audiophiles. In the audiophile market, 807s and 1625s generally command much higher prices than can be found at hamfests.

An excellent article about the 807 was published in the *IEEE Spectrum* several years ago. [2] You will need to be an IEEE member, however, to access the complete article.

NOTES:

[1] 807 and 1625 diagrams from: *R.C.A. Electron Tube Handbook HB-3*, 1957 Edition.

[2] Magoun, Alexander B., "The 807, a Vacuum Tube for the Ages," *IEEE Spectrum*, 30 October, 2015

73,

Fred W2AAB

DX Special Interest Group Update



In addition to awards for confirmed contacts with various countries worldwide, and collecting paper QSL cards (which are fun, educational and an excellent way to present ham radio to “the public”) there are other fascinating aspects to DXing.

You must have noticed by now that MANY other countries around the world are allowing the use of “Special Event” call signs that are significant to the special event being commemorated (unlike the USA, which allows ONLY “1x1” SES callsigns which have little relation to the event, and are re-used by another event as soon as the next week).

Many of these foreign Special Event Stations have unique QSL cards for their event – often one can get your card via ClubLog/oQRS (usually for a modest fee to cover the international postage), by sending your card and a modest fee to a QSL Manager for that event, or for free (except for a long time wait) by sending your card via the international QSL bureau. (Most USA SES have special QSL cards also, but again the call sign is not particularly significant.)

With the high-speed internet and the ability to download complex graphics, a new approach to SES awards has become popular — personalized, on-line, downloadable “certificates” for the special event.

Here is one I just qualified for last night and, after their logging database updated my last contact, I downloaded today – honoring 175 years of railroads in Switzerland.



I didn't even have to submit my log; their log qualified the 4 needed contacts and generated the certificate! Another way to enjoy DXing.

— Jim, W2JC



Some of the antennas at W1AW, the HQ station of ARRL



Contest Corner

– Van W2DLT

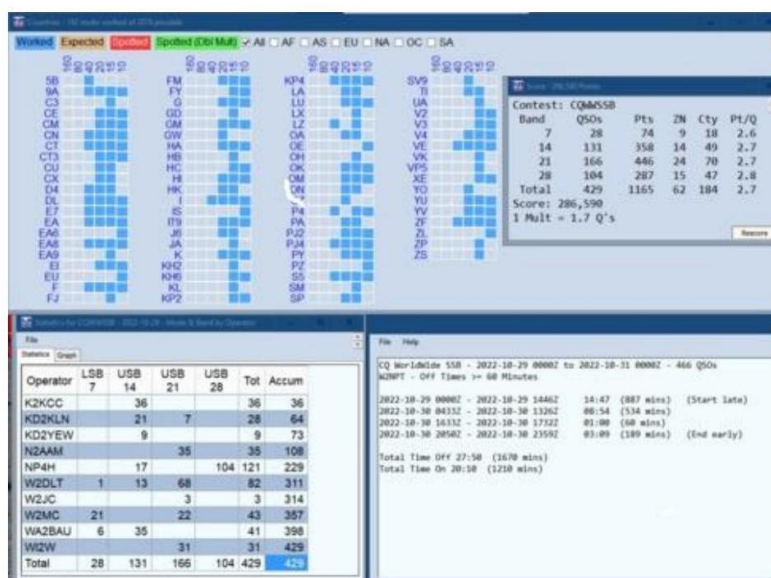


clipartof.com/6031

This month I will concentrate on comments from members who participated in the CQ WW SSB Contest the last weekend of October. The club had over a dozen members IN the clubhouse, manning 3 simultaneous transmitters on 3 different HF bands ALL DAY Saturday (Until 1:30AM) and again Sunday from 9AM to 6PM – where were YOU?

A lot of excitement, a lot of laughs, a lot of camaraderie, a lot of fun and a lot of new experiences for all of us thanks to the SUPER sunspot numbers here in the beginnings of Cycle 25 – hold onto your hats, the best is yet to come between now and the peak in 2025 – it's gonna be a LULU...

Here's how we did:



Now, in no particular order, we have comments from SOME of the members who enjoyed this wonderful club activity...

KD2KLN Brian:

I'm not very good as a contester (yet). But because of high sunspot count, the number of people on there made it interesting. No need to hunt, the band was completely full. Just go down the dial and talk to everybody. They wanted you for the points and were as anxious to talk to you as you were to talk to them. Talked to countries I'd never heard of before. (Because they don't teach Geography in school any more ed.) Some accents were a challenge and I needed to listen to their transmissions several times, especially numbers which don't have phonetics associated with them. With our great equipment, if you could hear them, they could hear you - which made it great fun.

N2AAM Dave:

It was a great contest! Conditions were excellent and combining this with the excellent club station made it like shooting fish in a barrel. During the time I operated, 15 meters was literally wall to wall with signals. Most of the time, I was able to break through the pileups and make contacts, after one or two calls. The camaraderie and conversation was fun, as it always is at FLARC. Great conditions, great equipment and great conversation made it an enjoyable fun day. I am looking forward to the next contest at the club.



www.clipartof.com - 442408

Contest Corner, continued.

W2DLT Van:



We had an exciting weekend at the clubhouse, operating the CQ WW SSB Contest. We had a dozen FLARC members using three transmitters simultaneously, a full-house experience. We made a great number of contacts (points) in 184 countries and scored 286,590 points (without the guys who worked from home, which will be added to that score. This was helped, of course, by truly outstanding band conditions because of the increased sunspot activity of Cycle 25. All of the HF bands were hopping all day and all night (I got to my hotel at 3AM Sunday morning for a few hours rest before starting again at 9AM Sunday morning). I ducked out early Sunday but Nomar, Jim and others stayed and operated until 6PM Sunday evening. Most exciting was that several NEW HF operators participated and made a huge number of contacts and experienced a new facet of our exciting hobby during some of the best band conditions I've seen in 20 years or more. Where were you while all this was going on?

W2JC Jim:



My comments on CQ WW DX SSB –It was nice to see some of the 'regulars' and even nicer to see some new faces at the club over the weekend, for the SSB DX contest operation. Setting up the stations, computers and logging on Friday night did not look all that encouraging, but enough came together for a good start on Saturday morning. At one point, we had THREE operating stations all using the Optibeam (that nice big monster on the roof!) at the same time! Thanks to Van W2DLT for lending his "triplexer" for the occasion. Because of some glitches, it was a bit of a challenge to get the logs from all three stations together as one accurate log -- but with the right tools it came together. The last few of us were able to stay at the club until 18:00 on Sunday evening, because the stage crew was still cleaning up from the weekend show. I came home, took a three hour nap, got up and worked on the logs until about 03:30 -- since there is a 5-day deadline to submit the logs, I wanted to know things were straightened out as soon as possible. By 03:30 I had everything completed and was able to send out the results and statistics to the club email before sun-up! It was very rewarding to hear all the 'new' contest ops say they had a great time. By the way, this contest is one of the few that really help the club get our country total up for the DXCC award -- we have the basic award for 100 countries, but there are 300+ possible countries to work in the world, so we still have a ways to go.

KD2YEW Mike:

Last week I participated in my first ham radio contest – the CQWW SSB DX Contest. As a fairly new licensed ham I was a little intimidated to get on the air, but as usual everyone at the club was very helpful answering questions and encouraging me... I came to the club Saturday and just observed others operating the stations. It is always impressive to see seasoned hams operate. Sunday morning I came back and operated on 40 meters for a few hours. Propagation was good and I made several contacts, contributing to the team effort. I really had a great time and I look forward to doing many more contests in the future.

AC2ZU Charlie:

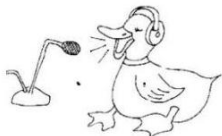
The CQWW contest from Oct 28-30th this year was really a great event for me to participate in. This was my first big contest. I became a ham back in 1963, receiving both my novice and general class license. Upon my entry into Newark College of Engineering I left the hobby and did not return until 2019. I was so fortunate to take my Extra Class license with FLARC and meet a great group of ham colleagues. When I considered working the CQWW I asked Van W2DLT if he knew of a good logging program that would support the contest. He suggested N3FJP. I subscribed for \$8.95 for use in the contest. It was particularly user friendly and kept track of my progress as I entered all my contest information throughout the contest. It not only tracked regions and countries worked but also provided information on contest multipliers and alerted me whenever I had a duplicate contact. I was able to achieve 22,952 points, 11 regions and 48 countries towards the FLARC score. It is now a tool I can rely on for future contest operation. I was particularly surprised how many contacts I was able to make on 10 meters. The band was hopping. I was even able to make a contact in the Ukraine - UW5Y. Now I have a great logging program to enjoy many more contests in the future.

Contest Corner, continued.

W2MC John:

I had the pleasure of operating W2NPT on 15 and 40 meters for several hours during the CQWW (phone) contest on October 29th. The contest was exceptional - all the bands were cooperating well, but it was amazing to work stations I haven't heard on 15 for quite some time. The path to Europe had shut-down by the time I got on 15 meters; but China, Australia, and many of the islands in the Pacific were coming in, along with all of the Caribbean and South America. For most of my time on W2NPT I was on a hunt-and-pounce mission for new multipliers; countries and zones that had yet to be worked during the contest. Later, we moved to 40 meters, and the fun started all over again! Operating with FLARC's Flex radio was excellent; contacts were made by scrolling the computer screen for new mults on the band, and a 'point and shoot' from the computer screen moved the radio for the contact. Many contacts were difficult to work - this IS CQWW, the biggest contest of the Ham Radio year - and the pile-ups were large, but it was an exhilarating experience to wade thru the mess and come out with a victorious exchange. Loads of fun! Thank you, FLARC, for allowing me to participate in your effort for CQWW this year

W2AAB Fred:



I'm not a phone guy, usually, but this year's CQWW phone contest was most enjoyable for this old key clicker. Conditions were good on 40 and 20, but the best conditions were to be found on 15 and 10. I haven't heard 10 open like that in many moons. That band provided the most contacts for me, followed by 15. Some nice DX was worked, although nothing new for me.

There are two V55 stations (Namibia) in my log, both on 10, plus the nicest surprise — FK8IK (Noumea) easily worked on 10 also. A message to any who don't have their Extra license: It really does make a difference in DX contests! Now I'm looking forward to the CW weekend later in November.

WA2BAU Gary:



Operating the CQ WW SSB contest at the clubhouse was a blast. I got to the clubhouse at about 1830 and got on 20 meters which was really hopping. I made a fair number of contacts over the course of a few hours while the operator at the next position was going to town on 15 meters. This is something I don't get to do at home due to not being able to put up much of an antenna, so it is definitely a treat. After an extended break to chat with the rest of the people there, I got on 40 meters with mixed results. The band was open and though I had a much harder time punching through the pileups, I was still able to make a bunch of contacts. The Flex radio made operating a breeze, being able to view the activity on a nice chunk of the band when it was time to move on to the next DX station. All in all, it was a lot of fun and spending an evening operating and getting together with a great bunch of guys was well worth the time and trip.

NP4H says:

It was encouraging to see a great group operating for the contest, including some of our new hams/members. We were able to have 3 out of our 5 stations operating at full blast. I hope to continue seeing this type of interest within the FLARC membership.

How do you make 21,000,000+ points in the CQWW SSB Contest you say?

You have towers like this one with a STACK on 40 meters for instance. This is one of 5 towers, some with 4 or 5 stacks of yagis – like V26B on the island of Antigua.

Or how do you make 25,000,000+ points in the CQWW SSB contest you say?

You man the P40L station in Aruba, like John W2GD did. Then you work ALL 48 HOURS of the contest with little rest and little break time. And you have great antennas and have two operators with combined over 70 years of experience in contesting.



Contest Corner, continued.

Something to strive towards (or not) — the main thing is TO HAVE FUN DOING IT!

➡ Lotsa contest activity in these coming winter months – see the CONTEST CALENDAR at <https://www.contestcalendar.com/> for full details on ALL ham radio Contests for the entire Day, Month and Year.

➡ And check out the NCJ – National Contest Journal, published bi-monthly by ARRL, for the latest info from the world of Contesting. Subscribe at ARRL website, or Google 'NCJ'

Go get 'em! 73, Van W2DLT

What Is It? – November, 2022

By: Fred Belghaus W2AAB



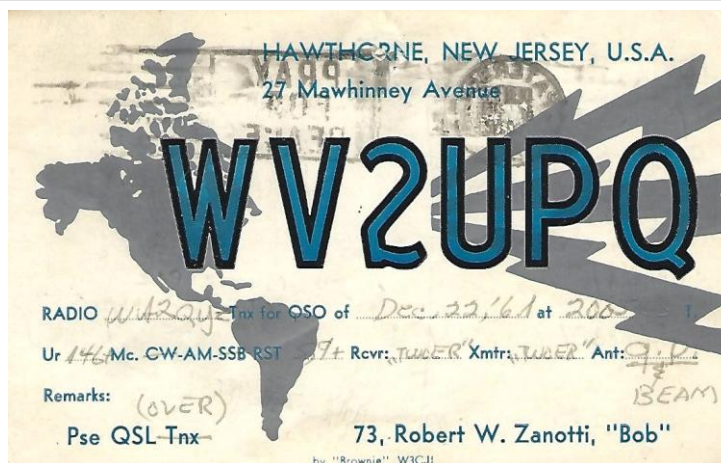
Hmm... This looks kind of like a cheap CB set... or maybe a 1960s era stereo amplifier... or maybe an audio equalizer... or maybe a controller for a prototype microwave oven.

Maybe... but just what is it?

Answer next month.

73,

Fred W2AAB



QSL from our November 2022 Kawfee Tawk presenter,
when he lived in New Jersey
[tnx to W2AAB for the archived card]



FLARC PortableOps SIG

PortableOps@FairLawnARC.groups.io

This is a Special Interest Group (SIG) for members interested in portable ham radio operation such as POTA, SOTA, IOTA, LOTA, etc.

The purpose of this SIG is to get outdoors and practice our operating skills from different places. We can share outing experiences, tips and work on our operating skills.

FLARC Portable Ops SIG supports Scouting's JOTA October 16, 2022

Jamboree On The Air is an annual event in which Scouts all over the world connect with each other by means of amateur radio. JOTA takes place the third weekend in October and this year three members of FLARC's Portable Ops SIG set up stations at Camp Pouch in Staten Island, NY for the event.

A couple of hundred scouts participated in a Search and Rescue themed Camp-O-Ree weekend at the camp. During the event the Scouts traveled from station to station learning and practicing search and rescue skills. At the station located next to FLARC's radio setup the Scouts practiced making a litter (stretcher) to carry a Scout with a simulated broken foot.

In between their activities the Scouts had the opportunity to contact other Scouts around the globe via Amateur Radio. James KB2FMH, Steve KA2YRA, and Steve WI2W demonstrated Amateur Radio to dozens of Scouts and enabled many to make contacts with other Scouts and Amateur Radio operators participating in the event.

One Scout pictured with his father kept returning in between his activities and made more than a dozen contacts across the USA as well as Europe and South America. A future ham radio operator for sure! Another highlight of the day was a group of about 20 Cub Scouts eager to share their first name and favorite color with another group of Scouts via Amateur Radio.

All in all, a great day!

Report from Portable Ops SIG, cont'd

The family of Bill Burke KD2ZXC (a new FLARC member and a new Portable Ops SIG member) just increased by one recently, and she is already prepping for portable operation!



And now for something completely different ... November 2022 POTA Nuggets

As the new POTA Mapping Rep for New Jersey, I look forward to keeping my fellow operators updated and informed, as well as encouraging the ongoing sharing of information and best practices. As such a large, active and diverse club, I feel that FLARC can play a vital role in advancing portable operations in and around NJ.

Please join in the active dialogues on some of the following platforms, and suggest some of your favorites:

- FLARC Slack (chat) Portable Ops channel:
<https://flarcfairlawn-2sm7184.slack.com/archives/C01LT266JF6>

Continued on next page.

Portable Ops SIG, continued.

- FLARC Groups.io (archives and fileshare):
<https://fairlawnarc.groups.io/g/PortableOps>
- POTA Slack Workspace (multiple channels):
<https://parksontheair.slack.com>
- POTA Facebook page:
<https://www.facebook.com/groups/parksontheair>

The truth, the whole truth, and nothing but the truth ...
expert POTA resources —

- Everything you wanted to know about POTA, and more:
<https://docs.pota.app/>

Time time time is on your side, yes it is ... reminder of two recent changes impacting operating times:

- On November 6, 2022 we turned our clocks back an hour to end Eastern Daylight Savings Time. We here in NY/NJ are now 5 hours ahead of UTC.
- Also, POTA changed the start time for *Late Shift* and *Early Shift* based on the operators' local longitude, which closely relates to time zone. This was done to reflect the global nature of POTA and to align "late" with local conditions.
- For us here in NY/NJ, *Late Shift* starts at 2300UTC (6PM Eastern Standard Time). *Early Shift* here starts at 0700UTC.
- See
https://docs.pota.app/assets/images/shift_map.png
for a map showing start times across the globe.

Adding new sites to POTA

Lately there have been a few suggestions of parks to be added to the POTA list, so here is an update on the process.

If you have potential sites to be added to POTA, please email me (stvosman@gmail.com) as much info as you can including website, maps, coordinates, info on the managing jurisdiction, comments, etc, etc.

Right now, the focus is on adding sites around the world — although a newly created domestic site, based on legislation or designation, can be added fairly quickly; though others, such as existing parks, will get added to a waiting list for review.

Remember that POTA requires parks to be under state or federal jurisdiction, and must be accessible to the public — even if that access may be challenging, for example requiring a boat, plane, hike, dogsled, etc.

Double your pleasure, double your fun ... 2-fer's, 3-fer's and more

New Jersey is fortunate to have many opportunities to activate from sites that count for multiple parks. Remember that to qualify the parks must be contained within each other, not just close or contiguous. They must be nested.

Designated trails such as the Appalachian Trail or scenic rivers like the Delaware can be activated if you are within 100 feet of the river or trail and on public property.

If that trail or river runs through a POTA park, and you are within the 100 foot line, then you get credit for both.

If those are within a larger park, then you get credit for 3 activations. And so on and so forth.

Part of the adventure of POTA is finding those opportunities. The best place to start is with some of the following links to some of the POTA trails and rivers that go through our area.

Check along them to see where they go through a POTA site; then do some more detective work to find a good spot to activate from. Asking other ops who have been there is a good idea, though nothing is better than you sharing your successes with others.

You can share your successes with the POTA gang by sending them to me at stvosman@gmail.com and I will compile them for everyone.

Here are some links to get started with your detective work. Please share what you find.

- Appalachian Trail K-4556
<https://nps.maps.arcgis.com/apps/webappviewer/index.html?id=6298c848ba2a490588b7f6d25453e4e0>
- Washington Rochambeau Revolutionary Route (W3R) K-4582
<https://w3r-us.org/trail-map/>
- NJ Coastal Trail K-6544
<http://npmaps.com/wp-content/uploads/new-jersey-coastal-heritage-trail-map.pdf>

https://en.wikipedia.org/wiki/New_Jersey_Coastal_Heritage_Trail_Route

Jeopardy style trivia question for November —

"The answer is 100"

Buzz in if you think you know the question.

Let's all join together to have FLARC take the lead in NJ portable ops. Lots of events and activities we can do. All we need is you!

Please share your thoughts, feedback, and experiences.

Best 73 all.

Steve KA2YRA stvosman@gmail.com

Portable Ops SIG, continued.



[Appalachian Trail Map](#)



[Washington Rochambeau Revolutionary Route](#)



[New Jersey Coastal Heritage Trail](#)

Radio Direction Finding SIG Report



This group will discuss Transmitter Hunting - also known as T-Hunting, Fox Hunting, Radio Orienteering or Radio Direction Finding.

FLARC has a new SIG in town. This group will discuss Transmitter Hunting – also known as T-Hunting, Fox Hunting, Radio Orienteering or Radio Direction Finding

We hope to have hunts of low power (15mW) and higher power (5W) transmitters coming very soon.

The low power transmitter is for on-foot hunting and to get oriented to the activity. We'll have some experienced "hunters" on hand to explain the techniques to beginners.

Then we will be off to find the higher power transmitter via automobile.

Kits, builds, techniques, and other transmitter hunting information will be on the groups.io SIG.

For those interested in joining the Radio Direction Finding SIG, subscribe at:

Radio-Direction-Finding+subscribe@FairLawnARC.groups.io



Order a FLARC Shirt!

Nomar NP4H is taking orders for a spiffy bright red (really sort-of maroon) polo shirt for Field Day. This is a pilot for a possible new vendor and will match our current shirts which are available by mail. This order is from a reputable local vendor. The price is \$25.00 with your call sign sewn in.

Contact Nomar directly at np4h@aol.com.

Theoretics Demystified

Electric cars are not new! Thomas Edison had one built over a hundred years ago and it used a battery that could not be overcharged, could be completely discharged, left for long periods of time unused and would not explode and used commonly available materials for manufacture and you only had to replace the electrolyte every 20 or 30 years!

Of course, the energy density may not have been what we are used too but it still works (and so does the car) to this day. This leads us to the topic of batteries which, properly put, are a series of cells hooked together; but the term battery has become commonly accepted to mean any current producing cell or combination of cells.

First came the wet cells, which consisted of two dissimilar electrodes immersed in an acid or salt solution called electrolyte. If a wire be connected from the positive pole, say copper, to the negative pole, zinc in this case, the current will flow from the positive to the negative pole but inside the cell charges will flow from the negative pole to the positive, completing the circuit.

Keep in mind that this follows the 'conventional' theory of current flow. Also keep in mind that this information is as it was about a hundred years ago. (The author has an Edison single fluid cell which is suitable for ignition and signal work. The cell is well over a hundred years old and quite rare!)

Early cells that used a copper electrode (wet cells) had the problem of hydrogen forming on the copper thereby diminishing cell output. This was called polarization. Because of this the cells were provided with a substance which acted as a depolarizer to help prevent the accumulation of hydrogen on the copper electrode.

Next came the 'dry' cells, which were composed of a zinc can and a central carbon electrode with a liquid electrolyte. There as blotting paper or other absorbing material which kept the electrolyte from leaking out, thus they were called dry cells even though the electrolyte was a liquid albeit a relatively small amount compared to a glass jar filled with acid. Batteries are still made using the same technique of electrodes and electrolyte, but the construction details have varied greatly as have the chemical combinations used.

We have gone from wet cells to 'dry cells' of the earlier day to the once common #6 dry cell used in early telephone work, to the familiar 'D' cells and 'C' cells to the more common 'AA' cells or 'AA' batteries as we now call all of them to the 'AAA' cells and a myriad of others.

Next, we have the ubiquitous alkaline battery which delivers greater performance than the lead acid dry cells of old. A few can be recharged but almost all are not.

Theoretics Demystified, continued

Among the rechargeable types we have nickel cadmium batteries which have a higher current density during discharge but have a memory effect if not cycled properly. Next is nickel metal hydride which has less of a memory effect but a lower current density.

Most recently in the last 40 years or so is the lithium-ion battery which now powers most all our portable devices now in use. The problem here is that they can and do catch fire and in the case of electric cars that use them, once the fire starts, there is no extinguish it! These lithium batteries are designed to be charged repeatedly, keeping in mind it is better to let them run down till the device advises a charge or you can keep the charge state between 20 and 80%.

The worst thing to do is to keep them on charge indefinitely as this tends to 'fry' the battery. Many a laptop owner can attest to this. Some newer devices circumvent this problem using a power management system. Best is when a device is charged, unplug it from the charger.

Some newer technologies have eliminated this problem such as lithium iron phosphate which you can drive a nail through without causing a fire. (Who would want to do that?)

This type of battery is now frequently used by hams to power their portable equipment as it is much lighter and has a better power delivery than the sealed lead acid [SLA] batteries which is just a larger version of original dry cells. The SLA batteries are designed to be recharged and some are for deep discharges and others are for float service where the battery is part of the power system, not just backup.

On the horizon are sodium ion batteries which use more common materials and do not catch fire as has been touted by manufacturers. As a side note: Tesla is rumored to be switching from lithium-ion batteries to lithium iron phosphate batteries next year.

The problem with lithium-ion batteries in cars is that because of the manufacturing techniques required to get and process the lithium used in the battery packs in cars, the carbon footprint over the life of the car is much greater than that of an ICE car. Aside from this lithium is extremely toxic. Battery design and discoveries will continue to advance greatly in the future.

73,

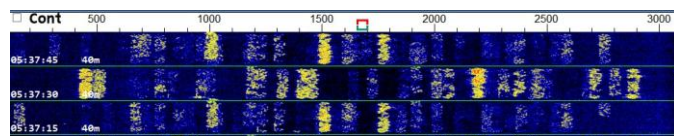
Fred Wawra, W2ABE



FT8 & Digital Data Modes Special Interest Group Update

FT8@FairLawnARC.groups.io

A Special Interest Group SIG for those interested in FT8 and FT4 digital communications and software.



- **Dr. Joe Taylor would be proud of FLARC!**
- **Operating position #2 up and running for the best in digital operations.**
- **"Tigital Tuesdays" start November 2022.**
- **All we need now is YOU!**

We are proud to announce that operating position #2 has been upgraded and updated to offer both new and experienced digital users a very positive experience thanks to the ongoing efforts of a dedicated team including Dave KD2JIP, Jim W2JC, and Steve KA2YRA.

As you learn more about operating digital you will realize that there is a lot of human interaction and skill needed to be successful. Technical aspects related to propagation, proper operating conditions, power management, and more are critical – along with a good sense of timing and yes, I'll be one of the first to admit it ... luck ;-)

Operating position #2 is currently running the latest versions of WSJT-X and JTAlert for FT8 and FT4, with logging directly to the W2NPT QRZ online log, which will get updated to include previous contacts. From the QRZ Logbook our contact info will be uploaded to LotW (Logbook of the World), from which we can qualify the club for various awards.

The new PSTRotator is integrated so the beam can be controlled from position #2, as well as from positions #1 and #4 (with operator cooperation).

PSKReporter and various spotting tools are available on the browser. Accurate timing, which is critical for the WSJT modes, is now provided by a dedicated GPS receiver.

For digital contests, N1MM Logger+ can be run as part of the W2NPT network. Other digital modes and applications can be considered for addition in the future. Your suggestions will help here.

Raspberry Pi, 3d Printing and Arduino Special Interest Group Update

Rpi-Arduino@FairLawnARC.groups.io

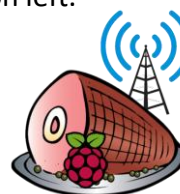
A Special Interest Group SIG for those wanting to learn about and use Raspberry Pi, and Arduino, modules - with special interest, of course, for ham radio projects...and for those who "MAKE" ham stuff.

3d Printed CW paddle ->

FLARC has a SIG for those who experiment and build Ham Radio equipment or would like to learn.



For those interested in joining all the excitement! Contact Bob H. KD2BKD@optonline.net for more information. Or just go to the club website FairLawnARC.org and use the "Join Special Interest Group(s)" link on left.



2022 Member Profiles

Here are this year's member profiles. An index of previous years can be found elsewhere in this issue. All profiles can be found in the newsletter archives on the FLARC website.

Month	Name	Callsign
January 2022	James	KB2FMH
February	Brian	N2BTD
March	Luisa	KD2YWX
April	Ria	N2RJ
May	Telly	WW2SPY
June	Ken	W2SCT
July	Avanti	KC3DZG
August	Norm	KB2JRP
September	Ahmed	W2/HC2AP
October	Mitch	KD2IU
November	Mike	KD2YEW
December		

FT8 & Digital Data Modes Special Interest Group Update, cont'd

Now, all we need is YOU!!!

I will be glad to host "Tigital Tuesdays" [hey, if we can call them Kawfee Tawks™ then why not ;-)] on the Tuesday nights that the club is open. These can be as formal or informal as you like, and based on your feedback could include "best practice" sharing, guest speakers, Q&A's, tutorials, digital contesting, portable operating, training, show & tell, troubleshooting, training, and best of all ... operating!!!

We can also arrange to meet at the club other times, or even better at a POTA site (one of my other additions).

Please contact me if you have any questions, input, feedback, snacks (that gets you to head of the list), suggestions, and more – anytime.

I can be reached by email at stvosman@gmail.com or in any of the FLARC Slack channels (especially # ft8_ft4 – ask for an invite or info on joining); or by mobile/text at 914-391-5540.

Looking forward to seeing you at **FLARC position #2** soon, and as they say in digital, "on the waterfall."

Best wishes and 73 to all.

Steve Rosman KA2YRA

DXing with FT-8 and the 'Foxes'

There are several DXpeditions in the field this month providing contacts with rare countries and entities that are not found on-the-air very often.

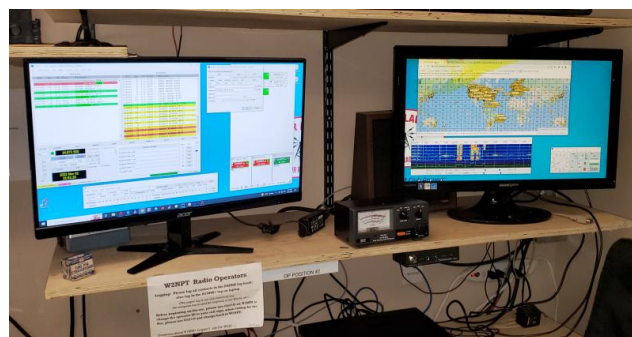
While checking out the new features and tweaks set up on Position #2 by Steve KA2YRA, Jim W2JC found 5V7RU sending CQ on 20 meters FT-8 and called them for a contact. To our surprise, our call was answered and is now officially in the 5V7RU log for Togo!

Log to search:	5V7RU
66,255 QSOs logged between 2022-10-22 23:31Z and 2022-11-06 11:25Z	
Callsign to check:	W2NPT
Show contacts	
Band	FT8
20	1

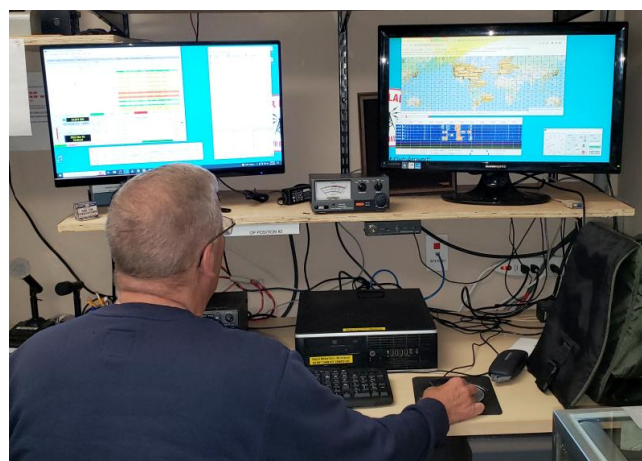
Do you know "Where in the world" is Togo?



FT8 & Digital Data Modes Special Interest Group Update, cont'd



Operating position #2 dedicated to digital data ops



Two screens give lots of room for data & maps



Robert KC2ORX learns about FT-8

Join the FLARC FT-8 Special Interest Group –

Just send an email to:

FT8+subscribe@FairLawnARC.groups.io



For FLARC membership info and renewal/application form please visit:

membership.FairLawnARC.org

FLARC Dues, new and renewal, (and even donations!) can now be made on-line ...

[Please note that this is a temporary improvement while Dave KD2JIP works on a real, full-fledged web page for filling out the membership/renewal form and submitting that and payment on-line.]

Payments can be made using either PayPal or Zelle.

Here's how –

Using PayPal —

Log into your PayPal account at

<https://www.paypal.com>

At top right, select "My PayPal"

Under Quick links, select "Send Money"

In the window showing
Name, email or mobile number
enter this email address:

1947xyzabc1947@gmail.com

Click on [Next]

Enter \$ amount you are sending, & in "add a note" area type in your CALL SIGN and which year (2020 or 2021) the dues are for, & any other explanation.

Click on [Continue]

Click on the [Change] button

Click on "Sending to a friend" link

CONTINUED IN NEXT COLUMN —>



Sending to a friend

No fee to use bank or balance to send to friends and family in the U.S.

You will see a summary of your transaction; if no changes are required, click on

[Send Payment Now]

to complete your transaction.

\$

Using Zelle —

If you are using Zelle through your bank account, just send your dues to the following number: 201-240-9317

Don't forget to add in the note/message section your callsign and that it is for your 2020 and/or 2021 dues.

OR you can still use a good ol' Check or Money Order payable to FLARC - always put your Call Sign and "dues for 2020" (or 2021) on the check. MAIL TO:

Bruce Kalogera, NJ2BS
163 Meadow Lane
Secaucus, NJ 07094



Fair Lawn Amateur Radio Club

*Fair Lawn Recreation and Community Center
10-10 20th Street
Fair Lawn, N.J. 07410*

MEMBERSHIP/RENEWAL FORM

Name _____ Call _____

Address _____ PO Box _____ Ste./Apt # _____

City _____ State _____ Zip _____

Roster Published Phone # _____ Unpublished Phone # _____

Roster Published EMAIL _____ License class: _____

ARRL Member ? RACES Member ? ARES Member ? CERT ? VE ?

Additional Family Members (In same household) --

Name _____ Call _____

Name _____ Call _____

Introductory and Student Membership \$ 20 \$ _____
(Students under the age of 18 eligible for student membership)
(Introductory membership open to new members
or not a member in last 7 yrs)

Associate Membership * (No Fee)

* Open to Fair Lawn Residents Only. No voting rights or other privileges.

Renewal of Current Membership \$ 25 \$ _____

Three Year Renewal Incentive \$ 65 \$ _____
(Single memberships only, family memberships excluded)

Additional Family Members # _____ at \$ 5 each \$ _____

Life Membership \$ 625 \$ _____

Senior Life Membership (65 yrs. of age or over) \$ 250 \$ _____

Equipment Fund Donation, above regular membership dues \$ _____

Total submitted \$ _____

Date _____

I hereby acknowledge the By laws and rules and regulations of the club and will abide by them as amended

Please Note: Memberships are NOT Pro-Rated. Membership is from Jan 1st to Dec. 31st of any given year unless documented otherwise.

Please make your dues check payable to the "Fair Lawn Amateur Radio Club" and remit to the following address:

Fair Lawn Amateur Radio Club

Bruce Kalogera NJ2BK

163 Meadow Lane

Secaucus, NJ 07094

Mail sent to the clubhouse will be delayed due to
Covid. See website for other membership options.

Complete this form for NEW or RENEWAL ARRL membership and give to FLARC Treasurer [Bruce Kalogera NJ2BK] with your payment check.



ARRL Affiliated Club Membership Application

- ☐ I am a brand-new member, or my membership lapsed for 2 or more years. My club will receive a \$15 commission.
☐ I am renewing (includes lapsed members of less than 2 years). My club will receive a \$5.00 commission.

Name _____ Call Sign _____

Address _____

City _____ State _____ ZIP _____

Email _____ Phone _____

Date of Birth ____ / ____ / ____

- ☐ My Family Member is Joining or Renewing: (Annually \$10 per member)

Name _____

Name _____

Your Annual Membership Dues –

Circle Your Choice

	3 Years	2 Years	1 Year
US Membership	\$140	\$95	\$49
International (Digital Only)	\$140	\$95	\$49
International (with mailed QST)	\$217	\$147	\$76
Blind	\$30	\$20	\$10
Family	\$30	\$20	\$10
Student			\$25

TOTAL \$

Choose your print magazine –

Check One

- ☐ **QST**, ARRL's membership journal for active radio amateurs (12 monthly issues)
☐ **On the Air**, Beginner-to-intermediate-level help and advice (6 bimonthly issues)
☐ **Digital Only** (All members can access the digital versions of both magazines)

Payment

Enclosed is my: ☐ Check ☐ Money Order ☐ Charge Request

Charge to my: ☐ Visa ☐ Mastercard ☐ Amex ☐ Discover

Card Number _____ Expiration Date _____

Card Holders Signature _____

Toll Free (US) 1-888-277-5289 or 860-594-0200 • ARRL, 225 Main St., Newington, CT 06111-1400
 membership@arrl.org • www.arrl.org/join

November 2022

FLARC Business Meeting

Fair Lawn Amateur Radio Club
Secretary's Minutes Prepared by David KD2MOB
Business Meeting of November 4, 2022

The Meeting was called to order by Nomar NP4H, at the Fair Lawn Community Center. The meeting was held via Zoom video teleconference as well, and began at 7:30 PM and concluded at 8:50 PM. Approximately 6 attendees on Zoom and 24 attendees at the Community Center.

The Pledge of Allegiance was recited at 7:31 PM

Nomar NP4H facilitated a roll call, and a quorum was established.

President - Nomar Vizcarrando, NP4H

V. President - David Corsello, KD2JIP

Treasurer - Bruce Kalogera, NJ2BK

Secretary - David Gotlib, KD2MOB - excused absence

Trustees (3) - Ed Efchak, WX2R
Fred Wawra, W2ABE
Brian Cirulnick, KD2KLN

Corrections to October's Business Meeting Minutes - Ed WX2R and Jim W2JC stated that the By-laws were amended two years ago and the nominating slate should have been provided at the October meeting. Per Nomar NP4H, we reverted back to prior ways.

Fred W2AAB stated that a call sign was incorrectly typed; Pete W2MP should have been W2PM.

Motion to accept the Minutes with the amendments - Jim N2JLF, Seconded by Skip KD2BRV.
Motion carried unanimously.

Treasurer Report by Bruce NJ2BK
Bank balance was provided with detailed deposits / withdrawals.

Motion to accept the Treasurer Report as presented - Brian KD2KLN, Seconded by Bill WA2WL.
Motion carried unanimously.

Opening remarks by Nomar NP4H. Nomar welcomed everyone to tonight's business meeting.
No visitors are in attendance

Continued on next page.

November 2022 FLARC Business Meeting, continued

Committee Reports

Technical Committee - Paul W2IP - The repeater antenna is up on the tower. We removed the damaged verticals and presented to the Board a list of items to be replaced. A ten to twelve meter Optibeam, hopefully to be obtained by April 2023, which would be mounted above the existing HF Optibeam on Tower 1 and would like to add a triplexer to the patch panel. The damaged antennas will be replaced this year or at least procured for next year. It would be nice to have the repairs done before the winter. Nomar recommended that we hire a professional, licensed ham antenna installer to do the on-tower repair work on the HF Optibeam for safety and insurance reasons.

Nomar NP4H mentioned that its is great to have three stations working at the same time. He thanked Van W2DLT for lending the club his triplexer, which was used with excellent results during the CQ WW SSB contest recently and there was no interference between any of the three stations using the Optibeam at the same time. Nomar will donate to the Club an R8 Criscraft 6 to 40 meter vertical antenna. The goal is to have five stations working at the same time.

Jim W2JC thanked Steve KA2YRA for the digital upgrades on position 2, which is now fully functional on FT8. A GPS time synch setup has been installed on position 2 to assure that the time is accurate for digital work. Jim W2JC noted that position 5 will have a larger video monitor to use with the laptop. Steve KA2YRA thanked Jim W2JC and Dave KD2JIP for input into the digital station enhancements. Steve also announced that he will be available on Tuesdays (“tigital duesday” as part of PopUp Tuesday) to teach and mentor any interested members on using position 2. He mentioned also that digital is a good mode to add DXCC countries to the club’s log. 5V7RU in Togo (in Africa) was worked just before the meeting.

A discussion was held between Paul W2IP and Steve WI2W regarding Pre-amps and a fusion repeater or a DMR repeater.

Presentation of the recommended Slate of Officers / Trustees by Fred W2ABE (lead) and Brian KD2KLN (assist) as the Nominating Committee. The following is the recommended Slate for the upcoming term:

President -	David Corsello,	KD2JIP
V. President -	Noel Pagan,	W2MSA
Treasurer -	Bruce Kalogera,	NJ2BK
Secretary -	David Gotlib,	KD2MOB
Trustee -	Steve Rosman,	KA2YRA

Everyone accepted their nomination except Noel W2MSA who was absent from the meeting. Nor did Noel accept the nomination prior to the meeting. Ed WX2R asked Fred W2ABE if he contacted Noel W2MSA beforehand. Fred’s answer was no. Brian KD2KLN also did not contact Noel. Nomar requested nominations from the floor. There were none. Ed WX2R made a motion to close the nominations, seconded by Van W2DLT. The motion passed unanimously.

Continued on next page.

November 2022 FLARC

Business Meeting, continued

Ed WX2R made a motion to state that at the Annual Meeting in December, since the Slate is uncontested, the Secretary will cast one vote for the slate that is presented assuming Noel W2MSA accepts the nomination as Vice President. This motion was seconded by Bob KC2ORX. The motion passed with one vote against the motion.

Nomar NP4H thanked Fred W2ABE and Brian KD2KLN for their work on the Nominating Committee. In the event Noel does not accept, nominations will be held at the Annual December meeting for Vice President. Gene WO2W stated if Noel does not accept the nomination, a notice should go out to the membership.

Marketing Committee - Ed WX2R -

Kawfee Tawks

November 19: The Swiss Shortwave Merry Go Round: Bob Zanotti HB9ASQ

NOTE: This is a Saturday morning presentation at 1000 EST

December 16: Ria Jairam N2RJ An ARRL Update

We have three programs scheduled for 2023.

Events — None scheduled

Other

West Palm Beach club partnership - Ed will provide a presentation to the West Palm Beach Amateur Radio Group in January. Maybe there will be an Echolink hookup in the future.

Be on the lookout for the upcoming FLARC Member Survey in your email in box by December 4th.

ARRL Grant Program - Dave KD2JIP –

Dave worked with Lee KD2DRS and Bruce NJ2BK and an expanded Grant Committee over the past summer and will turn over the committee leadership to Lee Smith KD2DRS. Lee plans on including a youth segment at the club. Lee stated a few words about the youth segment.

Nomar mentioned that a staff member at Tenaflly High School reached out to us about rejuvenating the Ham Radio Club at the High School. Nomar recently visited with staff at the school. He mentioned the ARRL Teachers' Institute training, and interest was shown by the lead teacher. He reported that they currently have a working ham station (with Icom 718) at the school, and Nomar made a contact with it to show them it is in working order. The teachers have to be engaged in order that they engage the students. N2JLF asked about contacts with Boy Scouts and Girl Scouts. Bob KD2BKD suggested that various organizations such as the Venture Crew or Explorer Scouts can be relied upon.

Jim W2JC stated that Bergen County Technical High School is planning on launching a balloon and is looking for ideas and help with a balloon project.

November 2022 FLARC Business Meeting, continued

Ed WX2R suggests that the incoming President start a youth outreach committee.

Website / QSL Manager - Jim W2JC –

- The auction link is now active. Jim thanked Dave KD2JIP for his work.
- Log in information for Kawfee Tawks are on the streamer on the FLARC webpage.
- Jim reminded us to keep paper logs when operating the club stations, because paper can last a long, long time; however a computer may not be readable in a few years. Our logs are important not only for our club, but those we contact may need our confirmation for awards they are seeking.
- Jim suggested that some people should learn how to set up stations at positions 1 and 4, so these positions can be available when Jim is not present. Nomar suggested that we have someone contact Dave WO2X to provide a seminar on Flex Radios. He is very well versed.

RACES and ARES - Jim N2JLF on behalf of David KD2MOB

- CERT will be holding a regional training event on November 19th and 20th.
This training includes WinLink and ICS Forms, and will be with the American Red Cross.
- Rattlegram - new communication app with an Android phone. The voice digital media transmits over the radio through the app. It can be done even without connection to the radio, just by sending the phone audio to the radio microphone.

Contesting - Van W2DLT

- CQ Worldwide CW contest is taking place over the Thanksgiving weekend.
- The CQ CW sweepstakes is during the weekend of Nov 5th and 6th.
- The phone sweepstakes takes place on the third weekend of November (19th and 20th).
Van indicated that if there is interest, he will again open the club on that weekend for operation of the club stations.

VE Sessions - Gene WO2W

Seven people obtained their amateur radio licenses last month - three Technician, three General and one Extra license. The next session is on Saturday, November 12th at 9:00 AM. New calls being issued are now in the KE2 series.

Auction - Bill WA2WL

Brian KD2KLN and Bill WA2WL visited the Senior Center to make observations about the Auction set up which is taking place Friday, November 25th. Help will be needed; several people will be needed to handle computers and their software. An email will be sent looking for volunteers.

Transmitter Hunt - Bob KD2BKD

A transmitter hunt, also known as a foxhunt, will take place with FLARC, ARES, RACES and CERT participants. Please arrive at the Memorial Park pavilion at 11:00 AM on Sunday, November 6th.

November 2022 FLARC

Business Meeting, continued

Bring an HT radio. We will teach you about triangulation and other tips for conducting a foxhunt. There will be two small foxhunts at the park and a larger one later that day by car around Fair Lawn. Karl W2KBF demonstrated the small fox transmitter to the group.

No additional old business.

New business -

Ed WX2R - The Annual Meeting will be held at 6:00 PM on Friday, December 2nd at the Senior Center. Nomar NP4H stated that we will have our Annual Holiday Party there as well, following the Annual Meeting. A potluck dinner will be served.

Fred W2ABE asked why we don't have Kawfee Tawks at the Senior Center any longer. Ed WX2R stated for the record: "We will not have any more meetings at the Senior Center; I will not obtain speakers."

Health and Welfare - Judith KC2LTM –

Congratulations Bill KD2ZXC on the birth of his child.

Steve WI2W - Thanks the builders and "configurers" of the club stations. Everything worked in harmony during the contest at the station a couple of weeks ago. Steve commented that he "had a wonderful couple of hours last weekend on the CQ WW SSB contest. The station performed flawlessly; it was like shooting fish in a barrel to pick up new multipliers - with the tight integration between the spotting service, N1MM logging, the Flex radio and the antenna rotator. They worked together perfectly in harmony, and it was really a pleasure to operate."

8:50 PM - Motion to Adjourn -

Motion to close the meeting by Jim N2JLF, seconded by Bill WA2WL. Motion carried unanimously.

Respectfully submitted on November 9, 2022
by David KD2MOB. 73.



Past FLARC Member Profiles

Here is a list of past member features and we welcome your recommendations for new profiles -- including your own.

Month	Name	Call Sign
January 2016	Pete	KB2BMX
February	Marco	KC2ZMA
March	Ron	KC2TBD
April	Kai	K2TRW
May	Larry	WA2ALY
June	Dave	N8MAR
July	Steve	W12W
August	Thom	W2NZ
September	Brian	KD2KLN
October	Brad	KM2C
November	Al	WA2OWL
December	George	W3EH
January 2017	Fred	W2ABE
February	Dave	KD2MOB
March	Randy	WU2S
April	Lee	KD2DRS
May	Gene	WO2W
June	Carol	KD2NMV
July	Kevin	KC2KCC
August	Robert	KD2NOG
September	Robert	KD2BKD
October	John	KD2NRS
November	Fred	W2AAB
December	Margaret	W2GB
January 2018	Brian	KD2OAZ
February	Bennett	KO2OK
March	Van	W2DLT
April	Aly	ALØY
May	Bruce	NJ2BK
June	Dave	N2AAM
July	Karl and Susan	W2KBF and W2SKT
August	Steve	KA2YRA
September	Paul	K2PJC
October	Skip	KD2BRV
November	Jim	W2JC
December	Tom	N2AAX

By the way, Randy (WU2S) has compiled a binder of all back issues of *The Resonator* and it's located in the club office.

Thanks Randy!!!

2019-20 Member Profiles

The year is now complete and here is a list of the 2019 monthly profiles. See past profiles elsewhere in *The Resonator* to check back in the archives to see each featured member's background.

Month	Name	Call Sign
January 2019	Dave	KD2JIP
February	Jim	K2ZO
March	Zach	KC2RSS
April	Bob	N2SU
May	Stan	KC2K
June	Steve	WA2BYX
July	Roger	K2RRB
August	Judith	KC2LTM
September	Chris	W2TU
October	Bob	N2SU
November	Bob	WA2ISE
December	Carol	KD2NMV
January 2020	Gordon	W2TTT
February	Chris	KD2JQZ
March	Glenn	KD2MDR
April	Steve	K2SAB
May	Ahmed	NJ8Y
June	Charlie	AC2ZU
July	Jim	N2JLF
August	Walt	K3DQB
September	Gregg	N2ECH
October	Jim	W2KNG
November	Dave	KD2SGM
December	Bill	NB1ILL

2021 Member Profiles

Here is a list of the 2021 monthly profiles.

Month	Name	Call Sign
January 2021	Ed	KD2TVT
February	John	W2USN
March	Noel	W2MSA
April	Gene	KD2VNI
May	Berlotte	KD2MYF
June	Noel	N2OEL
July	Roy	KD2VMX
August	Jeremy	K2GRI
September	Bill	WA2WL
October	Nomar	NP4H
November	David	AC2GL
December	Paul Brennan	N6FB/MØJOV